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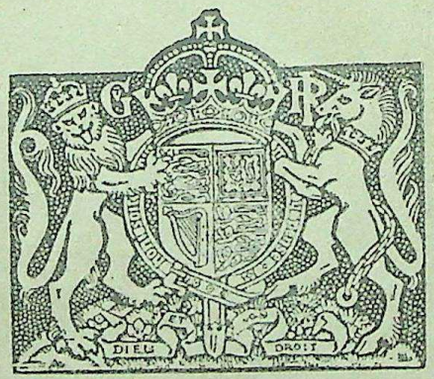
DESCRIPTIVE CATALOGUE OF ANTIQUITIES

RECOVERED BY SIR AUREL STEIN, K.C.I.E., PH.D., D.LITT., D.SC.,
ARCHAEOLOGICAL SURVEY OF INDIA (RETD.), FELLOW OF THE BRITISH ACADEMY,

DURING HIS EXPLORATIONS IN CENTRAL ASIA, KANSU AND EASTERN IRAN

BY FRED H. ANDREWS, O.B.E.

FORMERLY CURATOR OF THE PANJAB CENTRAL MUSEUM
AND PRINCIPAL OF THE MAYO SCHOOL OF ART, LAHORE.



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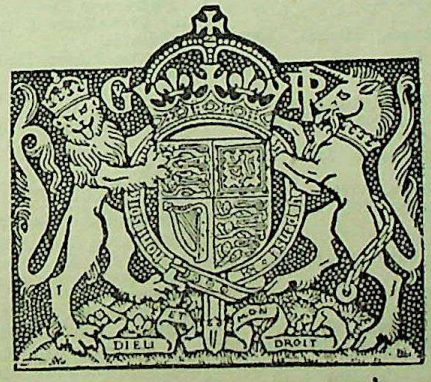

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INTRODUCTION.

IN this Catalogue are described the objects, now in New Delhi, recovered by Sir Aurel Stein during his Expeditions of 1906-8 and 1913-16 into Chinese Turkestan.

The sketch-map at the end of the Catalogue shows approximately the routes followed by him, which are, in the main, the old trade routes by which contact was established between China and the West from about the second century B.C.

It will be seen that the great expanse of the Taklamakān with the Lop desert and the dry sea-bed of Lop-nōr to the east lies between Kāshgar at its western end and Tun-huang at its eastern end; the distance between these points being about a thousand miles and its greatest width from north to south nearly six hundred miles. Further east is the desert area of the Pei-shan, the basin of the Su-lo-ho lying along its southern edge. Still further to the east is the Etsin-gol basin stretching in a NNE. direction from the Kan-chou oasis and marking the eastern limit of the territory we are considering.

This great arid tract is practically surrounded by mountain ranges. On the north lies the T'ien-shan range, on the south, the K'un-lun. These are joined at their western extremities by the Pāmīrs and at their eastern end they tend to converge in the Nan-shan, a continuation of the K'un-lun.

The old lines of communication between China and the West skirt the Taklamakān. The oldest or southern route runs along the northern foot of the K'un-lun range. The "new route of the north," opened about the year 2 A.D., takes a course probably slightly west of Hāmi and bearing in a north-westerly direction to Guchen, north of the Turfān oasis, and thence south-west and west along the succession of oases lying at the southern foot of the T'ien-shan to Kāshgar. The "route of the centre" is older than the northern route and skirted the northern edge of the Great Salt Sea (Lop-nōr) towards Lou-lan in the desert. Passing through Lou-lan it connected with the northern route probably at Ying-p'an.[1]

These three routes diverge from Yü-mên-kuan, the "Jade Gate," a fortified post located by Sir Aurel Stein slightly west of Tun-huang.[2] Between that point and Kan-chou to the east the only practicable road lies along the basin of the Su-lo-ho. It was essential that this corridor should be securely held and to protect it against the raids of northern nomads the Emperor Wu-ti, about the end of the second century B.C., built an extension of the Great Wall from Su-chou westwards, with Watch Towers at suitable intervals along it.[3]

From very early times, along the borders of this great desert region, wherever water was to be found and existence for man and beast rendered thereby possible, petty kingdoms

[1] See Stein, *Innermost Asia*, p. 765.

[2] See Stein, *Serindia*, p. 695.

[3] See Stein, *Serindia*, p. 722 sqq.

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have arisen, generally feudatory to states more powerful than themselves, and have suffered precarious and chequered existence. The stability of such settlements, along the northern border especially, was subject to disturbance by the many hardy and adventurous nomadic tribes from Mongolia and further west; these tribes were ever restless, always seeking fresh pastures and endeavouring to establish themselves on the trade routes between China and the West, a position offering opportunities for immediate pecuniary aggrandizement from passing caravans and providing a useful argument in political bargaining. On the south were the Tibetans, who, also ambitious for wider power, were successful in the eighth century A. D. in gaining temporary control over Chinese Turkestān.[4]

China's necessity for keeping open her trade routes produced periods of comparative peace whenever her power was strong enough to enforce the observance of treaties and agreements or to dominate the other kingdoms and tribes.

We may now briefly review the position of the principal sites which have contributed objects of archaeological interest to the collection.

Starting from Kāshgar, the old or southern route passes south-east through Yārkand and Karghalik to Khotan. Karghalik, identified by Sir Aurel Stein as the ancient kingdom of Chē-chü-chia,[5] was an important centre of the Mahāyāna sect of Buddhists, as recorded by the Chinese Buddhist pilgrim, Fa-hsien,[6] who visited it in the beginning of the fifth century A.D., but in decline when Hsuan-tsang passed through it about the middle of the seventh century.[7] In or near the oasis of Khotan are Yōtkan, the ancient capital of Khotan, and Ak-terek. About ten miles to the north, in the desert, is Rawak. Further to the east lie the ancient sites of Domoko, Khādalik, Farhād-Bēg-yailaki and Balawaste. About fifty miles north of Domoko, in the desert, is the ancient site of Dandān-oilik.[8] Further north and slightly west of Dandān-oilik is Mazār-tāgh.

Continuing eastward from Domoko the route passes through Niya. Eighty miles north lie the ruins of an ancient settlement, the wooden framing of the houses rising gaunt from the desert sand, and after 1,600 years still showing much of the rich carving in a style that recalls the Graeco-Buddhist stone reliefs familiar from the ruined Buddhist sites along the North-West Frontier of India. It was here that in 1901 Sir Aurel Stein made his momentous discovery of a great collection of ancient wooden documents written in Kharoṣṭhī character and belonging to a period not later than the third century A.D.

To the east of Niya are the ruins of Endere and continuing through Charchan, Vāsh-shahri and Charkhlik, Mīrān is reached. The extremely interesting wall paintings of about the third century A.D., now set up in Room III of the Central Asian Antiquities Museum, were brought by Sir Aurel Stein from two ruined Stūpas at Mīrān.[9]

[4] See Stein, *Serindia*, p. 470 n.
[5] See Stein, *Ancient Khotan*, p. 89.
[6] See H. A. Giles, *Travels of Fa-hsien*, pp. 6 and 7.
[7] See Stein, *Ancient Khotan*, p. 90.
[8] See Stein, *Ancient Khotan*.
[9] See Stein, *Serindia*, p. 450.

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Skirting the southern edge of the great dried-up salt sea of Lop the route leads to Tun-huang. About ten miles to the south-east are the Cave Shrines of Ch'ien-fo-tung (Thousand Buddhas). From one of these shrines was recovered the great find of painted silk banners, woven and embroidered textiles and thousands of Chinese and other MSS.

At a distance of about 140 miles across the desert north-east of Charkhlik, the ancient capital of Lop, is Lou-lan, through which ran the ancient middle route or "route of the centre." Many important finds were made here of written documents, textiles of various kinds and miscellaneous objects including relics of the Stone Ages from Palaeolithic downwards.

Lying to the north of Tun-huang and running from east to west is the ancient frontier wall or *limes* already referred to, built to protect this part of the route from attack by the Hsiung-nu or Huns from the north. Its western end rests close to the terminal marsh basin of the Su-lo-ho and in its western course the wall passes through An-hsi and thence on to Mao-mei on the Etzin-gol river, a total length to that point of 300-400 miles. The great quantity of objects found in the Watch Towers punctuating its course, has added considerably to our knowledge of the everyday life of the people passing along the wall and more particularly affords us intimate glimpses of the military administration of the *limes* garrisons.[10]

Further to the east are Su-chou and on the border of China proper, Kan-chou. Through Su-chou runs the Pei-ta-ho and, as a feeder to the Etzin-gol flows north-east to join the latter river at Mao-mei. The course of the Etzin-gol is north-east, passing within a short distance of Khara-khoto, about 135 miles from Mao-mei. From An-hsi on the Su-lo-Ho, some 200 miles along the *limes* west of Mao-mei, a trade route takes a north-west direction through Hāmi, the point so often subjected to aggression of the Hsiung-nu from the north and held intermittently by them and the Chinese respectively as the power of the Chinese waxed and waned.

West of Hāmi lies the oasis of Turfān with the Buddhist cave shrines of Bezeklik, the burial ground of Astāna and the ancient city of Dāqiānūs-shahri the present Kara-khōja. Wall paintings from some of the shrines, dating from the fifth century A. D. onwards were removed and are now in the Central Asian Antiquities Museum.[11] Continuing westward and slightly south the road passes through Karashahr, Korla, Ak-su and Marāl-bāshi to Kāshgar and so completes the circuit of the desert.

In those parts of the actual desert explored by Sir Aurel Stein quantities of stone implements found by him bear testimony to the wanderings of nomadic people in the prehistoric past over places which now, through utter absence of water, are incapable of supporting any form of life.

[10] See Stein, *Serindia*, p. 742.

[11] See Andrews, *Catalogue of Wall-paintings in the Central Asian Antiquities Museum, New Delhi.*

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The objects forming the collection were discovered on the sites of ancient Buddhist shrines, secular buildings, military stations, burial grounds and camping places on or near to the old trade routes.

Shrines established to satisfy a psychological urge have sometimes more favourable chances of survival than ordinary dwellings. They may be caves burrowed in the hill-side or, if free-standing buildings were perhaps rather more substantially constructed than those of secular purpose. The persistence of the sanctity of sites consecrated in the past to some form of worship and adapted from time to time to conform with the changing spiritual and hierarchical requirements of successive generations of devotees, is also a phenomenon of widespread incidence and whether sustained by custom or reverence or by mere superstitious regard, secures to such places a measure of protection. Iconoclastic enthusiasm may periodically wreak great destruction or the temptation to consider an ancient disused building as a convenient quarry for local needs may sometimes hasten Nature's processes of dissolution. But even when destruction is far advanced the debris often yields many remains which properly interpreted afford useful information to the archæologist.

Ordinary dwellings have generally been constructed of such ephemeral material that in a relatively brief period after their desertion almost nothing of their structure remains; but scattered about the site may be found instructive "rubbish." From such rejected trifles have come the earliest known paper and silk while documents in ancient scripts and languages of very great archæological and epigraphical importance have rewarded search in ancient waste deposits.

Where conditions of soil and climate have been favourable, as for instance in Lou-lan and Astāna, burials have preserved objects of the greatest interest. From the former area have come some of the earliest known silks woven to fine designs and in beautiful colouring still bright after their nearly 2,000 years of burial. The graves of Astāna in Turfān, where the natural conditions are not quite so favourable for preservation as those of Lou-lan, have yielded very varied material of the latter half of the sixth century A.D. to the middle of the eighth. The character of design and weaving of textiles from these later graves has added an important contribution to our knowledge of the migration of pattern and the weaver's technique. The earlier Chinese weaver's skill in construction and design shown in the Lou-lan silks maintains its quality in the later fabrics of Astāna but reveals development along lines influenced by the West.

To the Chinese custom of burying with the dead those things which were used in the funebrial rites and which it was conceived would be needed in the next world we are indebted for the conservation of a variety of interesting commonplace articles found in the Astāna graves—cerements composed partly of old but beautiful silk fabrics, small "vanity" baskets or boxes containing toilet requisites and cash, various kinds of food in bowls and jars, bread and fancy cakes of astonishingly modern appearance. Clay models of servants and attendants, mounted and on foot, indicate the survival in a modified form,

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of the early custom, which, it is recorded, enjoined that the deceased should be accompanied on his extra-mundane wanderings by a fitting retinue of actual persons; a custom practised down to late in the Ch'ou dynasty (1122-255 B.C.) and perhaps confirmed by a recent discovery of a grave in China containing the skeletons of persons so sacrificed. Through the teaching of Confucius it is said, the custom was modified and the substitution of clay effigies was declared adequate provision for the discharge of post mortem needs.

In the ruins of dwellings and offices of Chinese and indigenous officials of the Han dynasty in the Lou-lan area were found a number of textile fragments, MSS. on wood, paper and silk and a quantity of miscellaneous objects. Among these finds were pieces of the earliest known pile carpets, tapestry, silk and other fabrics. Coins, and documents in Kharoṣṭhī, Chinese and Sogdian were discovered in considerable numbers. Many of the Chinese documents were dated and afford evidence that active official life functioned there down to about the fourth century A.D. Most of the documents were, however, much earlier.

In the two or three centuries before and after the beginning of our era, paper, being either unknown or perhaps just appearing in China and not yet obtainable far beyond that country, there seems to have been a certain freedom of choice in the material used for writing and we find wood, leather and silk among the mediums used for this purpose. Silk and bamboo seem to have been so used in China both before and after the invention of paper. Further west the more usual material appears to have been wood.

As already mentioned a great quantity of wooden stationery was discovered by Sir Aurel Stein at the ancient site of Niya in the desert eighty miles north of the present place of that name, during his 1900-1 expedition. This appears to have been chiefly used by non-Chinese correspondents and scribes. The script known as Kharoṣṭhī was employed and the documents were mainly of two kinds to which the designations (determined by their forms) "wedge-shaped" and "rectangular" have been given. Each complete document of these types consists of two tablets, an upper or covering tablet and an under one. These fitted each other accurately and a document was "closed" by placing the written surfaces face to face. An ingeniously devised string fastening secured by a clay seal effectually prevented unauthorised inspection or tampering. See fig. I., p. 25. Narrow slips of bamboo were customary for Chinese records and when several slips constituted a single document they were strung together concertina-wise, the pagination being indicated at the upper end of each slip.[12] Further discoveries of wooden stationery were made by Sir Aurel Stein at other sites during his subsequent expeditions.

The strongly marked influence of China in design, colour and craftsmanship declare itself throughout the collection, while that of Tibet and the Uigurs is also apparent at certain periods. The Hellenistic influence expressed in the Buddhist art of the territories

[12] See Stein, *Serindia*, p. 766 n. by Andrews.

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in the NW. of India was carried across Chinese Turkestān by the spread of Buddhism and, modified by Sasanian influence, was happily assimilated in the later pottery, textiles and relief work.

The arrangement of the Descriptive Catalogue is by sites, commencing with the Khotan Oasis in the west and following the old or southern route towards the east, returning by the later route through Hāmi and the Turfān Oasis and ending with the Helmand Delta in Sīstān.

Sir Aurel Stein's official reports of his three expeditions are :—ANCIENT KHOTAN, 1907 ; SERINDIA, 1921 ; INNERMOST ASIA, 1928. Popular accounts of his first two expeditions are his SAND BURIED RUINS OF KHOTAN, 1903 and DESERT CATHAY, 1912.

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GENERAL NOTE ON MATERIALS AND CRAFTS.

Stone Implements.

Worked stones of paleolithic, neolithic and chalcolithic periods were found abundantly in the region of the Tārīm Basin and in Sīstān. They consist mainly of blades, scrapers, arrow-heads and a few celts. Several " cores " were found, testifying to a certain amount of local production. The materials are jasper, chert, chalcedony, cornelian, jade, etc. The jade celt numbered L. A. 00145 and the neolithic arrow-heads C. xxv. 02 and L. K. 0111 are of particularly good workmanship.

Pottery

Next to stone implements pottery is the most enduring of the productions of human handicraft and is also one of Man's earliest creative efforts. Its simplest purpose is to provide vessels to contain water and to serve as cooking pots, superseding perhaps the gourd, nut-shell, skin or whatever natural object served the same purposes. Such purely utilitarian wares are usually produced in the locality of the demand and are made of the local clay, by traditional methods often giving identical results at widely separated periods. If there be no distinguishing decorative treatment or a datable form, an unglazed pots-herd of 2000 B.C. may be no different from one of recent date.

Sir Aurel Stein, in his Reports, points out that in the deserts of Taklamakān and Sīstān the action of wind is perpetually removing the soil in the form of fine dust while heavier particles such as coins, pottery fragments, stone artefacts, etc., remain; with the result that such objects, while being the production of different ages are frequently lying together on the surface and it is therefore only in the case of types of pottery having features identifiable with datable specimens from elsewhere that approximate periods can be assigned to fragments found in such desert sites.

In the Lop desert fragments of roughly made pottery found associated with typical neolithic stone implements may be of the same period but are too crude in character for certainty. It is however probable that the hard-fired specimens from ancient sites are of the chalcolithic age. Among these may be included " mat marked " fragments such as L. B. IV. ii-v. 006 which is hand-made—that is, not thrown on the wheel.

Practically every site investigated contributed pottery fragments ranging in the aggregate from neolithic to late Muhammadan times. The earliest examples to which an

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approximate period can be reasonably assigned are those from Shahr-i-Sōkhta, R. R. I., II., III., etc., in Sīstān. Discoveries made elsewhere of similar early pottery indicate that the same culture extended "from central China through Baluchistan, Persia, Mesopotamia, Transylvania and Thessaly."[13] Most of the Sīstān fragments are wheel-made. In some types the material and workmanship are coarse and rather crude, as for example K. G. 01. a, S. S. 01., etc., but there is a type of thin slate-grey ware of remarkable porcelain-like density and hardness; for example, K. G. 039 and 0127, R. R. XVII. 08, etc. The painted patterns are mostly geometrical, composed of the triangle, square and circle as elements, and there is too, an indication that plant and animal forms were used. The character of the painting, more especially on the cruder kind of ware, gives the impression of having been applied, not with a brush, but with a chisel-pointed reed or similar tool. Such examples as R. R. XIII. 018, S. S. 01 and S. S. 050 exhibit the peculiar quality of line referred to.[14]

The unpainted Sīstān ware is more difficult to date but fragments having simple incised patterns similar to the painted ones are perhaps chalcolithic. Compare, for example, Sal. 03, Burg-i-Afghān 02 and Gha. Ta. 03 and 05 with Md. (R. R.) II. 07 and S. S. 024; or S. S. 051 and R. R. III. 011 with R. R. VII. 01.

Among the neolithic and chalcolithic pottery in this collection there is no evidence of the use of handles or spouts.

The use of vitreous glazes in Chinese Turkestān seems to have been introduced from China, the earliest examples from Lou-Lan, Tun-huang, Toyuk, etc., showing characteristics of Chinese craftsmanship of the Han and T'ang dynasties, and Sung pottery was found at many sites. Architectural pottery was probably also a Chinese introduction and is represented by several pieces. The most striking is the boldly modelled green-glazed foliate fragment K. K. I. 06. See also the hollow ornamental bricks Chiao. 08, K. K. I. i. 03 and the roof tiles K. K. I. i. 01, E. G. 07 and Chiao. 01.

The fragments of coloured and glazed brickwork from the Madrasah built by Shah Rukh, A.D. 1444 at Khargird in Sīstān are typical Muhammadan work and exhibit three methods of treatment. Khar. 021, 025 are fragments of tile mosaic or inlay. Khar. 02 is painted in imitation of inlay. Khar. 03, 019, etc., make no pretence to be anything but painted tiles. The specimens of inlay have carefully cut and ground edges to the separate pieces, producing fine joints between the parts. The cutting and grinding were done after the pieces had been fired.

A few pieces of a somewhat unusual type are of warm buff-coloured body coated with a dark brown glaze and decorated by scraping away the glaze (before firing) to produce a ground against which the pattern, reserved in the glaze, stands in bold contrast and in slight relief. See K. E. V. 020, K. K. 0116, etc.

[13] See Stein, *Innermost Asia*, p. 955.

[14] See Andrews, *Painted Neolithic Pottery in Sistān, Burlington Magazine*, Dec. 1925.

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A remarkable example of the potter's, or perhaps more correctly, the glass worker's skill is the fragment of a small bowl of lammellar structure, K. E. 01.

At Yōtkan, identified as the ancient Capital of Khotan, a very interesting kind of unglazed "terra-cotta" ware was produced. It is made of a fine clean clay which lent itself admirably to modelling and moulding and full advantage was taken of this quality in the production of lavishly decorated vessels. In fact a large proportion of the fragments recovered are decorative details, generally moulded, which have become detached from the walls of vessels to which they had been applied. The cementing of such ornaments to a vessel is a troublesome matter and the Khotan potters were not always successful with it. It frequently happens that the symmetrical halves of a decorative handle, each half cast in a separate mould, in the form of a grotesque beast, have come apart, as for example Yo. 087. a-d and Yo. 089. a-b ; or a head such as Yo. 0024. n. has become detached.

Græco-Buddhist influence gives a characteristic note to all this Yōtkan pottery. The Gorgoneion plaque Yo. 018, the acanthus at the attachments of handles, the Bacchic figure holding up a rhyton, Yo. 08 and other examples proclaim their Hellenic origin as do also many of the shapes of vessels such as the miniature amphora Yo. 0014. a.

The Khotan potter's practice was not restricted to the making of pots. The fashioning of human and animal figurines must have engaged much of his time judging from the large numbers found. They seem to have been intended mainly as trifles to amuse, a presumption consonant with the recorded light hearted character of the people ; or they may have been used as votive offerings or charms. In some cases they were probably intended for the decoration of vessels. To which category such detached heads as Yo. 009. h. 1, etc., should be assigned it is not possible at present to decide. The coiffures of these and many others are extremely interesting and the types of face and costume, well worthy of study.

Monkey figurines were found in quantities, very cleverly modelled partly by hand and partly in moulds. Whether intended for votive purposes or not they served as a medium for caricaturing the habits and character of the people of the day.[15] Their pleasure in music is shown by the many examples of the monkey playing the guitar, the syrinx and the drum and their reputed lax morality is reflected in a large section of the figurines. The modelling of the heads is often admirable and a keen sense of humour expressed in many of the faces adds to the attractiveness of these little figures. The better modelled monkeys aim at naturalness but another type is pure caricature with the head suggestive of that of the owl.

Beads.

Of all forms of personal ornament probably beads are the most widespread. They are found in endless variety practically throughout the world and have maintained their popularity from the most remote times down to the present day.

[15] See Stein, *Ancient Khotan*, pp. 139 and 208.

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In this collection are beads of glass, stone, bone, ivory, metal, etc. Glass beads are of many colours and often made in imitation of precious and semi-precious stones such as emerald, turquoise, amethyst, sapphire and cornelian, while gilt and clear glass beads are found in considerable numbers. Their forms are spherical, plain and fluted; ellipsoidal; barrel; polygonal; lenticular; ovoid, etc. Many of the small glass beads were made in strips, "segmented," probably blown in a mould and afterwards divided either into single beads or into rows of two or more, as in the example L. R. ii. 02.

A peculiar form of glass bead is dark opaque grey, perhaps originally black, with spots of opaque white each bearing a spot of translucent green or other colour enamel, the white serving to throw a reflected light through the colour. This type has been found in several parts of Chinese Turkestān, in Egyptian burials of about 3000 to 4000 B.C. at the site of a Greek Colony in Kertch founded in the 7th century B.C., and in Anglo-Saxon and earlier burials in various parts of England from about the 3rd century B.C. to the 6th or 7th century A.D. Badr. 0399 is a fragment of this kind of bead but in this case the body of the bead is translucent dark wine-red. There are also several varieties of marbled and millefiori beads which are even more widely distributed.

Stone beads and amulets are of agate, amethyst, cornelian, crystal, heamatite, malachite, jade, lapis lazuli, etc. Among cornelian beads is a type bearing simple geometrical patterns worked upon the surface by a process which produces a creamy-white line and somewhat resembles inlay.[16]

This type has been found at Ur in Mesopotamia among the antiquities of Mohenjo-daro in Sind, in Baluchistan, in Scythian Kurgāns of the Crimea and West Siberia as well as in various parts of Chinese Turkestān and may be seen sometimes worn by the coolie women of Darjiling to-day. Whether these last are ancient or modern has not yet been ascertained.

The drilling of certain stone and metal beads shows that extremely fine drills were sometimes used. A remarkable example is that of the metallic (pyrites) cubical beads sewn on to a fragment of very fine crimson silk found in one of the Lou-lan grave pits. (*See* L. C. 09. a).

Small amulets may be conveniently grouped with beads inasmuch as they are provided with the means of being threaded on a cord in the same way as beads, with which they were often mixed. In fact many beads are themselves amulets. Miniature birds and animals are common, as are also small bronze "cat" bells. Besides charms to protect against evil influences many of the amulets worn by women as for instance Yul. 055, were probably in propitiation of the deity of fecundity.

The amphora-shaped pendants M. iv. 01-02 made of opaque frit glazed with cobalt-tinted glaze, recalls the similar forms made in gold, frequently used in Greek necklaces.

[16] See Andrews, quoted by Mackay, *J. R. A. S.* 1925, p. 699.

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Metal.

Copper and Bronze and Brass.—Copper seems to have been first employed for the fashioning of arrow-heads and other weapons in supersession of stone and at an early period its use was extended and increased until with the march of cultural development it is found providing finger rings and other personal ornaments, buckles, mirrors, seals and numberless objects incidental to the civilization of the moment. The admixture of other metals with copper was, quite early, discovered to have certain practical advantages especially in casting, and so we have various kinds of bronze. The term "bronze" is used in this Catalogue to indicate all objects of copper or bronze.

Arrow-heads.—The type (*a*) of arrow-head most frequently met with by Sir Aurel Stein in the Tārīm Basin is that which seems to have formed the regulation ammunition in Han times, when the Watch Stations of the Chinese *limes*, now in ruins, were in active commission. There are many sizes and shapes of this arrow-head but generally it is short, triangular in cross-section with a short necking of hexagonal section at its base and a rather obtuse point at tip. The three sides are flat, the cross-section showing a straight-sided equilateral triangle. Inserted in the centre of the necking is an iron tang with the lower end projecting several inches for housing into the arrow shaft. Where the transition from triangle to hexagon occurs the three salient edges of the upper triangular part project beyond the alternate sides of the hexagonal necking and this projection forms a rudimentary barb, which is sometimes made more efficient by prolongation downwards. The inclination of the triangular sides towards the tip is more or less acute resulting in different degrees of sharpness at the point. Examples of the obtuse point are L. A. 0017, 0069, 0082.

There is another type (*b*) which may be called hollow-sided. In cross-section it is a concave-sided triangle, the three vertical, tapering blades set round a hollow stem and joining in a common point at the tip and with a barb at the lower end of each blade, as in Kum. 01. The line of the edge of the blade varies in different specimens from straight, as in Kum. 01 and Lal S. 015, to a beautiful cutting curve as in Kucha. 069. In this type the shaft of the arrow must be fitted with some kind of tang to engage with the tapering hollow stem of the arrow-head. In the Kum. 01 example an iron tang remains.

There are a few fragments of spear or javelin heads.

Mirrors.—The collection has besides several complete examples, many fragments of metal mirrors, some quite small pieces but a few sufficiently large to show the scheme of decoration.

In the East, as in Egypt, Greece and Rome the mirror was an object upon which the worker in metal exercised much of his artistic and technical taste and skill. Apart from the fact that the ritual of the toilet was elaborate, as amply attested by Chinese drawings and paintings and that the appointments of the "dressing table," including the indispensable mirror, would naturally accord with ideas of luxury of the moment, it appears also

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that mirrors were valued as talismans and that they were often destined for this purpose rather than for use as mirrors.[17]

Their shape is generally circular, with edges either scalloped or plain. The rim is thickened and moulded on the back only and in the centre is a raised boss, pierced laterally to take a cord to form a loop for convenience in holding. There are often several smaller bosses or "nipples" disposed symmetrically on the surface between the mouldings and central boss and included in the decorative scheme of that surface. The face or reflecting surface of the mirror is quite plain and often silvered.

In early examples the decoration is in very low relief and is little more than a linear treatment. The technique suggested by the result is that the design was originally incised, punched or scratched on a soft surface of wax or clay or soapstone from which a wax or clay "squeeze" was taken and on this, additions were built up in relief as required. When finished the "squeeze" or positive served as the original from which the moulds for metal-casting were taken. The LVT mirrors, so called because of the presence in the design of shapes resembling those three letters, are of this early type and date from the Later Han period or earlier. L. B. V. 006 is an example and shows part of the central square surrounding the boss (missing), part of one "nipple" and, near the edge, a double-line V. A bird occurs in part of the space between the central square and the border. L. A. 0107 is a complete mirror of this type in its simplest form. Other examples of early types are L. C. 013 and L. A. 0124.

Later mirrors have designs in more plastic relief, often beautifully modelled, as for example T. 004 which shows part of a flying phœnix. A small silver mirror of simple design was included in the lacquered "vanity" box found in one of the Astānā graves—Ast. ix. 2.03, belonging to the 7th or 8th century A.D. (T'ang).

Of later date and of an entirely different type are the two mirrors from Kara-khöja, numbered Kao. 01 and III.02. These have no central boss but a handle projecting from the edge as in many Greek examples, but perfectly plain. The subjects of the decoration on the backs are described under their respective numbers in the body of the Catalogue.

Finger rings.—The collection contains many types of these from a simple flat band to more elaborate forms with various kinds of bezel to hold a jewel, as L. A. 00118 and L. F. i. 02. Many of the lighter types of "dress" or jewelled rings are built up, that is to say, are made of various parts soldered together. The more massive, seal rings are cast in moulds and have a flat table, usually elliptical, which bears the device in *intaglio*. At each end of the table is a greatly thickened shoulder giving strength to the junction of table and ring.

Seals.—The custom of using seals for purposes of security, identification and authorization is very ancient in the East and Near East. The cylinder seals of pre-historic times found in Mesopotamia, in the Sind Valley and elsewhere are perhaps the earliest yet discovered. The more usual, and also later, forms met with in Chinese Turkestān are non-

[17] See Yetts, *Catalogue of Chinese and Corean Bronzes, etc. in the Eumorfopulos Collection*, 1928, Vol. II.

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cylindrical. The seal ring, mentioned above, which could be worn on the finger has obvious advantages and seems to have been very popular. In the Rāmayāna we are told how Hanūmān when he found Sita in Ceylon, produced to her as his credentials the Ring of Rāma engraved with Rāma's name. The coarseness of workmanship and crudeness of design generally found in this type of seal suggests that it was produced cheaply, perhaps by the village smith, often for the use of illiterate people. Other types of bronze seals are square, oblong, circular, elliptical and polygonal, with very varied devices, from a few vague lines to heraldic beasts, such as Kuchā 0120; or they may be characters or ornamental devices. The back of the seal is furnished with a shank for holding and pierced through the shank is a hole for a cord. All the metal seals seem to have been cast in moulds.

Figurines.—A few small Buddhist figures cast in solid bronze are in the collection, but they are not very good. The standing Buddha, Kara-khojā 001 is of the usual Gandhāra type but poorly executed.

Miscellaneous.—Many buckles and fragments of buckles of all sizes show how extensively this form of fastening was used. And the necessity for it becomes apparent upon examination of the elaborate military and ceremonial costumes depicted in the frescos, silk paintings and drawings in the Collection. The same may be said of buttons and "tags" (belt-and strap-ends). The commonest type of buckle is the ordinary modern kind with "D" and movable tongue hinged to a fixed bar, such as Yul. 013. But within this type there are many varieties showing skill and taste in general form and in the scheming of the different surfaces of the framework. Examples are Yul. 016, L. R. iii. 03 and many others. The rivets still retained by many buckles and tags show that they have been attached to leather or some equally tough and solid material. There are also gracefully curved hooks for attachment to the belt by means of a projecting stud near the upper end.

The collection contains many fragments of spoons (Kha. 053 is a complete example), "grelot" bells, studs, buttons and objects not always identified. The variety of purposes for which copper and bronze were used and the general quality of craftsmanship show great skill in metal working and particularly in casting.

A few brass objects were found, such as rings, buckles and ferrules, the mirror Kao. III.02 already mentioned and the amulets Toy. 063 and Kao. III.011.

Gold.—Very few specimens of the goldsmith's craft have survived the attentions of the treasure-seeker of the past and those which have are insignificant but show considerable skill in soldering. The graceful ear-or nose-rings N. 03 and L. K. Fort 07 are dainty examples. Gilding on bronze was often employed as in the example Yo. 00147.

Iron.—In the Former Han Annals mention is made of iron being found in the mountains of Shan-shan, identified by Sir Aurel Stein with the Western Kuruk-tāgh.[18]

[18] See Stein, *Innermost Asia*, p. 724.

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The use of iron seems to have been well known in certain localities, while copper and bronze were still being employed for arrow-heads, spear-heads, etc. As already mentioned iron was used for the tangs of bronze arrow-heads of, perhaps, the first century A.D. In Lou-lan and along the *limes* many fragments were found, including snaffle-bits for horses, cast iron "shoes" or blades for hoes, knives, a large buckle (C. cvii. 07) and a drill known as a centre-bit (T. 02). This kind of drill is used for making the circle-and-dot ornament often found on ivory and bone objects of all periods. T. XLVI. h. 04 resembles Chinese "knife money," a kind of currency dating back to a very early period. At Niya very few traces of iron were found but among them some fragments of a cast iron cauldron (N. 025). All the foregoing probably date back to the 3rd century A.D. at latest and some possibly much earlier.

Of a later period are the cauldrons, knives, and miscellaneous things from Kara-khojā. Many of these were found heaped together as though ready for removal and in one of the bronze cooking pots, Kao. III.09, comprised in the heap were a number of copper coins of various T'ang and Sung issues, the latter in fresh condition, from which it has been assumed that this *cache* was formed not later than the beginning of the twelfth century A.D[19]. The objects themselves may be much older, being evidently worn and damaged at the time of being collected. Among them is an interesting tubular padlock Kao. III.0168, of a type still in use in Japan. An example is in the Shosoin collection and the British Museum has similar locks of ancient Greek and Roman make, the latter found on a Roman site in England. The shallow dishes with scalloped sides, Kao. III. 0101-0103, are remarkably free from oxidation and present a surface closely resembling tin plate. They have the appearance of having been shaped by dies. That such a process was practised at least on a small scale, is evidenced by the bronze ornament Kao. 015 which appears to be moulded, and by the small mould or die Kao. 016. But to stamp such large shapes as these dishes in sheet iron, a pair of dies and very considerable pressure would be needed.

The interesting knife blades, Kao. III.0170-0172, are single-edged, taper towards the tip and have a fine groove along one face, close up to the back, rather like that on the blade of a modern pocket knife.

A curious fragment is that of a saw blade, K. K. 080, which has teeth on both edges, one rather finer than the other.

From one of the Astāna graves comes a pair of shears, Ast. i. 8.05, of the type common in early Greece and Rome, in which the blades are connected by a spring at their butt ends. Similar shears are in use now in India and in other parts of the world. They are commonly used for sheep shearing.

Lead.—Fragments of wire, discs and other small objects were found at various sites. Ancient lead mines, still being worked at P'o-ch'eng-tzu in Western Kuruk-tagh, were visited by Sir Aurel Stein in February 1915.[20]

[19] See Stein, *Innermost Asia*, p. 593.

[20] See Stein, *Innermost Asia*, p. 725.

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Silver.—Very little silver remains. A small amulet case, Kao. III.0136 and a little figurine of a nude male, Kao. III.0137 are the principle examples. It is probable that the "spectacles" found on the faces of the bodies in the Astana graves (see Ast. i. 3.a, 04 and others) are of silver, now badly corroded.

The minute fragment Kh. 0196 is an example of skilful soldering.

Wood.

The use of wood for building in Chinese Turkestān, both in construction and decoration, seems to have continued almost unchanged from very early times. The earliest specimens in the collection are those from Niya, Lou-lan and Mīrān. Despite the destructive effects of wind erosion, which has sometimes completely destroyed the carved surface, there still remains enough to show that they are in the same style as that of the carvings on the Græco-Buddhist buildings of Gandhāra and the NW. Frontier generally. The most familiar elements are the acanthus leaf and the rosette. The former is always rather of the Greek or Byzantine type (*acanthus spinosa*) than of the Roman (*acanthus mollis*) and the design of the acanthus ornament often follows the Byzantine principles rather than those of the true Greek. Rosettes are either of the Roman type, or more generally, of a type which seems to have developed in Gandhāra and the NW. Frontier when Buddhism was flourishing in those districts. This type is square or rectangular in form, composed of four large broad petals growing from a central disc or small rosette, the pointed tips running close into the corners of the rectangle. Frequently a secondary petal, rather smaller, is laid over each of the larger ones and in the four spaces between the larger petals are seen the tips of an outer or under whorl of, perhaps, sepals. The petals are carved with a V-cut, the valley being the mid-rib and the sepals frequently are cut the reverse way, presenting a keel as the mid-rib.

The Greek type of acanthus is used in M. V. 001 and examples of the rectangular rosette are L. B. VI.001 and N. XXVI. iii. 1. A circular rosette of more Roman type is L. B. II.0015. b. The Hellenistic features in the bracket capital L. M. I. iii. 01 are referred to in the detailed description on p. 178.

The vine is frequently used, as in L. B. 0036.

The ambitious carving on the sides of the beam N. XXVI. iii. 1, recalls the treatment of early Romanesque tympana over the doorways of some of the early churches in English country towns. Both sides are almost alike. In the centre is a vase from which springs the vine, and right and left, facing each other and the vine, two horselike animals, couchant, those on one side of the beam winged and those on the other, wingless.

In these early examples are also found the "pearl" borders characteristic of Sasanian ornament and much used in textile patterns of that style. It is roughly indicated in the cupboard leg N. XIII. i. 004.

A simplified rendering of imbricated-leaf decoration occurring in Greek and Roman festoons and torus moulding is much used, as for instance on the double bracket N. XII.

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i. 2. On the same example is the classical bead and fillet ornament. A later treatment includes the imitation of a textile valance as seen in F. II. i. 005, and Chinese and Tibetan importations of flame and cloud forms. In all the ornament there is very slight attempt to model, the carver depending for his effects upon the simplest arrangement of flat plane and "chip" carving.

There are however, a few instances of fully modelled wooden sculpture following the Gandhāra style, as for example the delicate fragment, Kuduk-köl 01 and Har. 029. The fragment of a life-size hand in wood, Koy. 1.02, indicates the use of wooden sculpture of considerable size. The headless statuette of a standing Buddha, K. K. II.01, bears a very striking resemblance to early Gothic statuary.

Apart from the architectural application of wood, its uses for more general purposes were endless and attention may be directed to a few especially interesting objects. The carved and painted chair leg L. B. IV v. 0023 is an obvious derivative from the Græco-Roman *trapexophoron* with Iranian modifications. The many objects of wood from Niya, the *limes* and other sites show that this material served for purposes to which, ordinarily, metal would be more appropriate. Of these, one of the most striking is the making of locks and keys. The illustration and descriptive note on p. 109 will explain the construction and action of such a lock.

Not the least important use for wood was in the making of bows and arrows. A fragment of a well-made bow is M. Tagh. 03 and another, M. Tagh a. 0017. Fragments of arrows were found at many sites; an example is T. XLIII. 01.

An interesting object is the beating stick T. XIV. iii. 0018 with which punishment was administered to erring soldiers on duty at the *limes*.

T. XII. 006 is one of several examples of an apparatus for making fire, this object being the "hearth" with its row of depressions into which the end of the drill was inserted and rapidly rotated thus producing sufficient frictional heat to create a spark whereby the tinder, suitably placed was ignited.

Combs were found in considerable numbers and of various grades. The extremely fine teeth of such a comb as L. C. x. 013 would require a saw of equal fineness to cut them, operated by a very skilled hand.

The grain chest, N. XXVI. 01 (third century) is a good example of local methods of construction in which wooden dowels are used throughout to secure the joints. Its legs are an interesting simplification of the lion-leg pattern. The cable border surrounding the top is unusual.

The agricultural fork N. XII. 01 shows skill in construction.

Dead-eyes such as L. D. 02, 03 were used for tightening the lashing round loads on pack animals.

Examples of the turner's craft are found in the many balusters of considerable length and in the massive finial (?) N. III. 07.

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Especially interesting among the many domestic articles are the mouse-traps such as N. III. x. 08 and 09.

Such wooden trays and platters as L. H. 02, L. H. 013, Ying. III. 2.017 with its neat dovetail clamps inserted to check cracking, the bent-wood box L. H. 03, the cleverly made and artistically designed bowls such as Ast. vi. 3.017 are all examples of funerary utensils. Similar bowls to this last were found in Lou-lan, belonging to a period perhaps three centuries earlier.

In the Astāna graves among a number of wooden bowls and food jars found several of the jars were solid save for a shallow depression within the mouth to receive a layer of grain or other provender, thus combining an impression of abundance with actual thrift, while yet satisfying spiritual needs. Crudely made wooden figures and animals, fragments of model carriages, bridges, balustrades, etc. indicate the probability of the tombs having contained complete scenes built up in the manner of the Chinese miniature gardens and palaces familiar to us in more recent times. All the bowls, jars, figures and models were painted with tempera colours.

The small board Ast. vii. 2.014 is thought by Dr. Lionel Giles to be for the "surrounding game" of checkers (*wei ch'i*), and seems to show a game in progress.

There are a few examples of lacquered wood. The colours used are red and black, sometimes plain and in some instances decorated with designs in red on black or black on red. The earliest examples are probably the fragments of a casket, L. M. I. 01-03 and a fragment of a boat-shaped bowl, L. C. x. 023, the style of both being that of the Han Dynasty, about the first century B.C. From one of the Astāna graves (seventh century A.D.) comes the "vanity" box, Ast. ix. 2.03, well made and finished with a black lacquer surface.

The lacquer was sometimes put directly on to the wood but more often coarse or fine canvas was first pasted all over the surface and the lacquer applied to this. There are examples of the object being made of canvas only or with a minimum of wood just at the edges. The two shallow bowls, K. K. i. 02 and K. K. iv. 01 are composed of spirally wound cane covered with paper in one case and layers of fabric in the other, and lacquered.

The wooden boxes Ast. vi. 3.011 and Ast. vi. 4.025 are painted with either coloured lac or wax paint and the fragment E. G. 010 is an example of the application of a kind of gesso.

Cloak pins, seals, spoons, pens and many other articles were made of wood and are represented in the collection.

The extensive use of wood as a writing material is dealt with under the heading Writing Materials on p. 25.

Small box-like cases were used as containers for clay seals, to be attached to packets or bundles. Three types (*a*, *b* and *c*) are represented in the collections. They resemble generally the seal cavities on the writing tablets described on p. 25. Type (*a*) is a square or rectangular case with three string-grooves cut in each of two opposite sides.

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(*b*) is similar but with a hole bored through the bottom (see T. VIII. 3, p. 187). (*c*) has upstanding ends only, the sides being cut away to the level of the floor of the cavity.

Stucco.

A natural impulse prompting man to decorate his buildings has found its most exuberant expression in his shrines and palaces. Against this practice there have been periods of repression when the reformer and his followers have remonstrated with destructive zeal. But the ordinance of simplicity has never endured for very long.

No shrines have been more lavishly decorated with sculpture and colour than those of India; Buddhist hagiology, with the countless Buddhist birth stories (Jātakas) providing a fertile field wherein the creative genius of sculptor and painter thrived and blossomed.

In districts having access to suitable stone, sculpture was freely used, and the great facility attained by the sculptors in their craft is amply testified by the many temples and shrines still standing. On the NW. Frontier of India where the remains of Græco-Buddhist stone carving lie scattered over wide areas, types and compositions were evolved which by the agency of missionary and pilgrim extended their influence over the whole of Central Asia and into China and India.

Where stone was not so easily available or where the art of stone sculpture was not greatly developed we find that stucco was used as a substitute.

It is not always an absence of stone, however, that causes the use of stucco, for we find it largely employed on relatively early buildings, at Taxila for instance, where stone is easily obtainable. Whatever the cause it is evident that just as tracings of drawings for paintings on banners and walls were carried about and reproduced, so, in the case of sculptures the most obvious thing to do was to carry moulds taken from desirable originals for reproduction in stucco wherever required. To conform with local taste, modification was easily possible without necessarily altering the essential character of the originals. As Grunwedel has suggested, it is to the survival of many of these early moulds, or replicas of them, that the explanation of the occurrence of an early type of sculpture at a late period is probably due and to the existence of tracings and pounces is certainly due a similar survival in painting.

The art of the moulder and plasterer was one of the most highly developed crafts associated with Buddhist Art in Chinese Turkestan. Shrines were enriched with gilded and painted stucco figures and ornament both inside and out.

The considerable mass of fragments of moulded and painted or gilt stucco found by Sir Aurel Stein is sufficient evidence of the popularity of this form of treatment and the variety of the fragments shows the extensive use to which it was put. The materials were clay, plaster of paris and certain carefully prepared pastes. In the case of large figures—life-size or larger, a kind of rough core, or to use a sculptor's term, armature, was first made either of wood or bundles of straw. The outer skin of the figure was cast in fine clay, in sections, from "piece-moulds" and fitted together around the armature,

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rough clay being used to fill up between armature and skin. In the T'ang period the finely prepared clay of the surface layer or skin had mixed with it some kind of fine fibre or goat's hair and occasionally in such large proportion that it became quite pliable and capable of being bent and arranged after leaving the mould.

Small moulds and fragments of moulds have been found. K. K. III. 013 is an example of clay with an admixture of a large proportion of fibre or hair.

The earliest examples of stucco are those from the Niya and Mīrān sites. They have little or no fibre mixed in the clay and are therefore very fragile. The type of face is Western with no trace of Chinese influence and in this they agree with the wall paintings from Mīrān and are probably of about the same period, c. 3rd century A.D. The heads from Rawak, made in the same way, are probably later in date and have a more or less Mongolian character. Sir Aurel Stein found a number of life-size and larger figures of Buddhas and Bodhisattvas, made of clay, placed in niches round the base of the Rawak Vihāras partly excavated by him in 1901. The style of the work was Græco-Buddhist and he conjectures that the moulds employed were those of figures belonging to a period considerably earlier than the Vihāra.

Many of the smaller fragments from certain sites have been hardened by accidental burning, a fortunate accident from the archæologist's point of view in that it has preserved what would otherwise have been lost. This has been the case with examples from Ming-oi preserving the crispness and freshness of the modelling observable in such pieces as Mi. xi. 00103 and 00139.

Fragments from several of the Khotan sites are made of plaster of paris and among these again accidental burning has rendered them very hard, as for example, K. S. 0028.

The details of construction of such pieces as those from Ming-oi show the most elaborate building up. This practice of building up, that is to say, the combining of separately moulded parts—ornaments, trappings and draperies—and the manipulation of faces and heads while still moist from the mould, shows extraordinary command of the Art of stucco working and full appreciation of its possibilities. Some of the large heads have the eyeballs separately modelled and inserted from the back of the "mask" behind the open eyelids, as in K. K. II. 0185, a method employed by the Egyptians in making their mummy cases. The colossal hand, Kao. 012, is a most instructive example of the moulder's skill. It shows an elaborate wooden armature or core and canvas reinforcement under the thin plaster surface, resembling the technique of our modern "fibrous plaster" work.

The wealth of stucco decoration employed in the enrichment of shrines is indicated by the quantity of gilded fragments from the Kara-khoto shrines and the richly coloured fragments from Toyuk.

All the stuccos were painted with some form of tempera. Generally there is a first coat of white and over this the other colours were laid. Various mediums seem to have been used. The Toyuk pieces show a more durable quality of paint than any other examples and it appears to contain a waxy medium. This fact and other evidence

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suggest influence from Tibet where encaustic painting was practised at an early period.

A special application of the moulder's craft is found in the figures and animals made for use in connection with the Chinese burial rites, such as are found in the graves of Astāna of about the seventh century A.D. referred to on p. viii. The figures found within the graves are apparently those of servants and retainers typical of those who may have surrounded the deceased in life, including cavalrymen in full armour and carrying lances, mounted on chargers of lively colouring, and waiting-men and maids. Mythical beings representing Zodiacal signs, and demons perhaps for safeguarding the tomb and the spirit of the departed were also present. The large and remarkably well made horse, Ast. iii. 2.058 is a good example of the craft. All the models are made of a very close-grained and tenacious clay, unbaked and coloured with some form of tempera paint. It is a tribute to the quality of the craftsmanship that they have endured with little or no change during a period of time extending to more than eleven hundred years. In the case of the two figures Ast. iii. 4.072 and 073 an especially close textured clay has been used for the head and bust and the surface has the hard waxy quality observable in some of the Toyuk fragments.

In all but a few instances the colours retain their original hue. An interesting exception is found in the case of a particular red which has turned black. This occurs on the small man-at-arms, Toy. 050 which was purchased but appears, from the analogy of the Astana specimens, to be a sepulchral figure.

Many of the figures have an especial interest in that they have preserved a record of contemporary costume.

The modern, Lucknow clay figures, in their craftsmanship, present an interesting parallel to these early sepulchral examples of Central Asia.

Glass.

The Chinese, down to about the fifth or sixth century A.D. did not make glass vessels but imported them from the West. The difficulties of transporting such frail articles by caravan and the risk of breakage must have been considerable. Objects of glass would therefore have been something of a luxury in China and Chinese Turkestan and this would be one reason for the relatively small quantity of fragments found, most of which appear to be of Roman make, probably from Alexandria, an important centre of the glass industry. The fragments are too small to give any idea of the size and forms of the vessels to which they belonged, excepting one example, Ying. III. 3.06, which is a complete, small, cut-glass tumbler.

The fragments are mostly of clear glass slightly tinted in various shades of pale green and straw and often ornamented with applied rib-work or cutting. The cutting appears to have been done by a wheel, as it is to-day. There are a few examples of richly coloured glass, as for instance the well made fragment of a fine blue tapering spout, L. M. 070, and a few pieces of dark brown madder colour. The bead L. K. 019 is of this colour.

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The clear white glass seals, Kuchā 0151-0153, a fragment of dark blue glass from Sīstān, K. G. 0303 and the many ribbed beads found everywhere are examples of moulding.

The bulk of the glass found is in the form of beads both translucent and opaque and of all shapes and sizes. (*See* the note on Beads).

Besides the use of certain coloured frits and opaque glass for beads the latter material was used also for making bangles. Fragments of these, with elaborate incrustations of colour were found in considerable numbers, especially in Sīstān. (*See* K. G. 0169, 0174, etc.). These, and much of the clear glass found in Sīstān may well be of local origin, as Afghanistan was, from early times, known for its glass beads.

It is recorded that the making of glass was first introduced into the Chinese province of Shansi in the reign of T'ai Wu, 424-452 A.D., of the Northern Wei dynasty, by traders from the Indo-Scythian kingdom on the NW. borders of India. The knowledge of the art would, however, doubtless have penetrated gradually from the West into Chinese Turkestān along the trade routes and many of the more western districts would have received it and would have been producing glass of a kind, earlier than the middle of the fifth century.

Although it is known that beads were imported from the West it is probable that attempts were made at an early date to manufacture glass beads and bangles locally from broken and discarded fragments of the imported wares. The re-melting of old glass would need no special knowledge and any potter or coppersmith would find no difficulty in moulding small objects such as beads, charms and seals and could even use some of his own metal moulds for the purpose. The occurrence of fragments of glass slag at several ancient sites in Central Asia seems to support this possibility. At the present time in India broken glass is regularly collected and re-used by glass workers who are unable or unwilling to make the glass for themselves and in 1869 it was reported that glass was made in Po-shan-hien in Shantung, China, and cast in rods or "pigs" about 30" long and exported to all parts of the country, presumably to be melted and used by glass workers.[21] A knowledge of glass making is therefore not indispensable to a worker in glass.

Seals.

The finely designed and cut seals found at ancient sites in Egypt, Mesopotamia and Mohenjo-daro in Sind, testify to the early use of seals in the East. The examples in this collection are of a much more recent period and show that their use was widespread in Central Asia during the early centuries of the Christian era and onwards. Where reading and writing were the accomplishments of the few, the seal had a very real and definite rôle in the ordinary affairs of life. This is clearly indicated by the wide range of materials used for them and by the varying quality of the craftsmanship employed in their production.

Seals may be broadly divided into two classes, *viz.*—(*a*) those which are modelled in

[21] See Bushell, *Chinese Art*, Vol. II, p. 62.

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intaglio and (*b*) those in *cameo*. The first are intended to be impressed in a relatively soft substance, producing a positive image in low relief and the latter, to be used with some form of ink in order to gave a flat, printed reproduction of the raised pattern. In some cases the same seal can be used in both ways.

One of the commonest forms of seal is that of the signet ring, cast in bronze and intended to be worn on the finger. It was cheap, easily carried and was always available for immediate use by the wearer. This type is always in *intaglio* and is often, by reason of its simple linear design, equally suitable for use with a plastic medium or with ink. If used with the one medium the design appears in relief. If with the other the design appears as the void on a solid ground of ink—*e.g.* white on black.

There are various grades of quality in such rings, from a crude design such as N. XII-XXVII.003 and N. 0036 (both about the third century A.D.), to a more carefully modelled design, not suitable for an ink impression, such as the head on Yul. 075. Grotesque heraldic beasts are frequently represented, as on Kuchā 0123. In the earlier examples such rings usually have very strong shoulders where the table meets the band, as though they were intended to bear considerable pressure in use. The production of many of the simpler kinds of these seal rings would be easily within the competence of an ordinary copper or silversmith and when a more ambitious device were required assistance could be had from such craftsmen as those who could produce models for the appliqué ornaments for high class pottery.

A more costly form of signet ring is that in which the device is cut upon a jewel. This type may have been derived from the Greek gems and in one instance, that of the fragment Khot. 0080, the work appears to be Western. The use of Hellenistic designs, often met with, links up the glyptic art of the East with that of the West. In most cases the actual workmanship appears to be Eastern. These gems were usually intended to be set in the bezel of a ring or other suitable setting but sometimes they are pierced laterally to be threaded with a cord.

Kuchā 0151-0153 and Yul. 059 are imitation seal gems, moulded in glass.

Other forms of seal include those having a sufficiently large shank at the back to be convenient for holding between fingers and thumb when in use. The shank is usually drilled laterally to take a cord by which the seal could be hung to the waist girdle or the loop could be slipped over the wrist or otherwise secured. A large number of such seals are of cast bronze, of all sizes, from half an inch in diameter to one and three sixteenths and of various shapes, with many grotesque beast devices, a figure or group of figures, lapidary characters, geometrical figures or floral ornament. Some of the animal designs show skill in adapting the form to the limits of the seal and, while many of these are clearly Chinese, others, such as Kuchā 0120, recall "Siberian" types.

Besides bronze, the materials used for seals are stone, bone, ivory, ignite, wood, horn, etc. Some of these have no projecting shank at the back but are drilled through centrally, parallel to the larger faces, for a cord. They often have different devices on the

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two large faces and sometimes others on the smaller faces. A wooden seal, having a curious and well cut device is U. Z. 05, showing a seated figure bearing a sword and mace (?).

It is not always possible to determine whether a small mould is meant for the potter's use in stamping his appliqué enrichments or for impressing a large seal, over the stopper of a jar, for instance. M. Tagh 026 is of this doubtful kind. M. Tagh 0640 and N. XXIII. 002, both wood, are probably seals.

Some seal impressions, in a special clay, have survived and are very interesting. They occur mostly on wooden documents of the first or second century, from Niya, etc. (*See* note on Wood). Figures of Athene Promachos, Eros, Herakles, etc. have been identified among them. Sasanian, Indian and Chinese types also occur and when there are two seals on one document, one may be Hellenistic and the other Oriental.

It is a matter for speculation, in the absence of any definite knowledge on the point, whether the seal cutter made his own "positive" pattern or whether it was made by a professional modeller who might also be a designer of pottery ornaments such as those on some of the finest of the Khotan pottery specimens. It is clear that the Art of modelling in various materials was very highly developed as is shown by the enormous amount of stucco decoration used in shrines and it would seem that the small votive plaques, Sassik-bulak 001-002, K. Y. I. 0012-0015 etc., represent an extension of the Art of the seal maker. They are neither seals not pottery ornaments but the craftsman who designed them would be equally capable of producing the original models for any of the bronze seals or the fine appliqué pottery ornaments.

Textiles.

The collections are especially rich in textiles, not only as regards number and variety but because they embrace specimens of early and mediæval types hitherto unknown to the modern world.

The materials used include silk, wool and cotton and in such articles as the tapestry-woven uppers of shoes and peculiar open-work nets, probably hemp and horsehair.

The types of silk fabrics are:—plain, white and dyed; damasks in one or more coloures; polychrome figured fabrics; gauzes and nets; block-printed and knot-dyed fabrics; tapestry and embroidery.

In woollens there are:—plain cloth; repp; box cloth; jean; tapestry and carpets.

Cotton fabrics are mostly plain and hemp seems to be used for the warp in fabrics for shoe making.

Horsehair is employed for small objects of net-like texture, the use of which is doubtful but which have the appearance of cauls. (L. A. VI. ii. 0043+0060, M. I. iv. 0010).

The period covered by the specimens extends from the first or second century B.C. down to perhaps the twelfth century A.D.

The importance to China of the silk industry in early times is indicated by the fact, as recorded in the Annals of the First Han Dynasty (206 B.C.— 25 A.D.) that it was to extend

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the trade in this commodity that the Emperor Wu-ti, in the second century B.C., opened up the route from China to the West and sought to establish control over Central Asia. This early route, as already stated, lay through Lou-lan, the ancient capital of Lop, and it was in the grave pits containing relics of those who worked and dwelt at this once important settlement that the most ancient silk fabrics were discovered. It may reasonably be assumed that these fabrics are representative of some of the silks which formed the current articles of commerce passing through the district and which were so highly valued in the West, for it was in its finished form, as figured material, that Chinese silk was known and imported.

For details of the finding of these treasures and the convincing arguments in support of the date assigned to them, Sir Aurel Stein's Official Report—*Innermost Asia*—should be consulted. It may, however, be stated that the evidence points to their being of a period within the first centuries B.C. and A.D.

Examination of the specimens reveals two important and significant facts. The first is that many of the designs are entirely new to us and unlike anything produced since the sixth or seventh century A.D. It may be that these designs—expressions of Chinese artistic genius and therefore fitted to local requirements—were found to be incomprehensible to the westerner and that modifications were introduced by the Chinese weavers in response to trade dictation. It may also be that the weaving of goods for the foreign markets becoming increasingly profitable, tempted the weavers to keep their looms more or less constantly set to the new patterns, and made them unwilling to "tie up" to the older and more intricate patterns for the sake of the less profitable local demand. This restriction would impose upon the people the choice of either accepting the new patterns or going without, and would, in the end, bring about the extinction of the traditional types of design.

The other fact is that the method of weaving polychrome silks of the early Lou-lan types is peculiar and unlike the method employed at the later (T'ang) period.[22]

It is also to be noted that none of the exclusively early patterns are woven by the later method and that, conversely, the early technique is never used in the later figured polychrome silks.

When excavating in a rubbish heap at one of the watch stations of the Tun-huang *limes*, east of the lop desert in 1907 Sir Aurel Stein found, in addition to Chinese documents on wood, several of which were dated, two fragments of figured silk, woven in the ancient weave referred to above and to patterns of the early type. As all the "rubbish" proved to be of the first century B.C. we have here well documented confirmation of the approximate date assigned to similar Lou-lan silks.

The character of the early (Han) types of polychrome design is seen in the specimens L. C. 02, L. C. 07. a, L. C. iii. 011, etc. The damasks, such as L. C. vii. 09 while being

[22] See Andrews, *Ancient Chinese Figured Silks, Burlington Magazine*, July-September, 1920.

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purely Chinese are designed on a geometrical basis as are most of the early two or three colour diapers.

Other textiles of the first century are the very interesting tapestry fragments L. C. iii. 010. a, L. C. v. 01 and L. C. v. 02. a, the first of the three being a very remarkable specimen, bearing a curious resemblance in drawing, colour and in treatment of the chiaroscuro, to the heads from wall paintings of the Buddhist shrine at Mīrān, M. III, now in the Museum. All present certain Hellenistic features.

Many fragments of woollen carpet from Lou-lan and Niya are evidence of the antiquity of the carpet weaver's craft in Central Asia. Two principal types are represented, the tapestry type, resembling the modern Indian "darri" and the pile carpet. A fairly wide range of colours and the fine condition of many of them after nearly 2,000 years is striking testimony of an advanced practical knowledge of dye stuffs and dyeing. The pile carpets are all of rather coarse texture with about 40-50 stitches to the square inch. But the wool is good and the general effect rich and satisfactory. A peculiar feature possessed by a few specimens is the presence of rows of long tufts on the under side of the carpet. These occur not only on the pile carpets but also in the tapestry type. Warp and weft are of wool. The pile seems to be generally tied in a Sehna or Persian knot and has several shoots of weft between rows.

In both silk and woollen polychrome fabrics of the Han period are often found bands of graduated colour—rainbow-like. The same treatment occurs frequently in Byzantine mosaics.

A fabric long identified with the sheep-bearing districts of Central Asia, is felt, and of this material many fragments belonging to the Han period, have been found. It seems to have been used for many purposes including clothing. Very interesting objects are two elaborate felt hats, L. F. 01 and 04, found on the heads of bodies considered by Sir Aurel Stein to be those of autochthons.

Felt was also made from silk waste but with rather unsatisfactory result, the material being unsuited to the process. Among the grave clothes from Lou-lan are several "garments" showing an inter-lining or padding of silk felt and used in this way, between other fabrics, it was probably quite satisfactory. Attempts to make paper from the same material were not successful.

The changes in design observable in the textiles of the T'ang period (early VIIth century A.D.) reveal their Western, that is to say, their Sasanian inspiration. Instead of the running patterns of the Han period, the governing principle becomes that of the reversed repetition or "turn-over" of a relatively restricted unit, such as, for instance, the phoenixes, lions, etc. in Ast. v. 2. 01 or the horses in Ast. ix. 3. 02. The pair of confronting beasts or birds usually stand upon a simple floral scroll and between them is placed a "tree". A frame or border encircles them and the whole device is repeated as a spot pattern with some smaller symmetrical ornament in the spaces between the "spots". Occasional exceptions to the "turn-over" occur, as for example the fine boar's head, Ast. i. 5. 03.

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This being the type of design required by the Western consumer, the Chinese weaver met the situation by a procedure entailing a minimum of effort. He selected suitable parts of his earlier designs, isolated them, made a "turn-over" repeat and put the correct frame round the result. Two interesting examples of an early stage in this evolution are seen in the fragments L. C. 07. b and L. C. 031. c. Such patterns as L. C. 07. a and L. C. iii. 011 provide a great deal of useful material for this kind of permutation. In course of time the original early patterns were lost and the derived designs, their ancestry forgotton, became types for further development.

One of the most characteristic features in Sasanian design is the use of "pearls" or beads as borders. It appears frequently in the T'ang textiles, as for instance in Ast. ix. 2. 01, Ast. ix. 3. 02., etc.

The method of weaving known as "warp rib", used in making the polychrome silks of the Han period, was entirely superseded in T'ang times by that known as "satin twill".

Besides richly coloured polychrome silks and carpets the collection contains many examples of silk damask in one or more colours. The designs are usually spots arranged in some regular geometrical order, or purely geometrical figures or a combination of both. An interesting example of Han period damask is L. C. vii. 09. Another of the same period in two colours is L. C. x. 04. Of a later date perhaps but in the early style is Ast. i. 5. a. 01. c, a very elaborate and interesting design. Other remarkable examples are found in Ch. 00278, probably late Han or early T'ang. Reference to the descriptive lists will show a great many more.

The weaving of plain and patterned gauzes was also well developed and many interesting examples were found at Ch'ien-fo-tung, the "Caves of the Thousand Buddhas". A piece of gauze of Han period, in two colours, is L. C. iii. 04. d. Especially good are the yellow gauzes Ast. ix. 2. 016 and Ast. x. 1. 02, and the dainty rainbow-dyed specimen Ast. vi. 03.

Block-printing with dyes on silk was extensively practised and many examples from Lou-lan, Ch'ien-fo-tung, Astāna, etc., show that the "resist" process was widely employed. The example Ast. iii. 3. 02 presents a very interesting technical problem. (*See* descriptive list p. 293).

There are many examples of silk embroidery, much of it executed in chain stitch, a rapid method of working still largely employed in Kashmir, Bokhara, etc. An example of this stitchery of the Han period is L. C. vii. 04, executed on a very fine crimson silk. The fragment of an important temple hanging in the same stitch, Ch. 00100, is probably T'ang. Among the many specimens of other stitchery are some remarkably modern-looking pieces, which are, however, most probably T'ang, in the fascinating collection of miscellaneous textiles brought together in the long altar valance Ch. 00278.

The valance was a favourite form of hanging for Buddhist shrines and appears frequently in temple paintings of the T'ang and Sung periods. The scheme varied in detail

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but consisted essentially of a double row of overlapping vandykes on a flat or pleated band from behind which hung a deep band of crimson drapery caught up at regular intervals to produce festoon-like folds. Hanging in front of the bands and covering the junctions of the contiguous festooned folds were narrow strips of drapery composed of a number of imbricated vandykes. The lower edge of the festooned drapery was bordered with closely set small silver gutta-shaped discs and the upper, pleated band was similarly trimmed. Such valances appear in the wall paintings from Bezeklik, in the Central Asian Antiquities Museum and formed a frieze at the top of the shrine wall. A similar arrangement was employed for altar draperies, as depicted in paintings and block prints. In some of the wall paintings, Bez. I. A-D for instance, richly jewelled chains are festooned against the drapery.

Artificial flowers for temple decoration were made of silk and cotton, with stems of wood, and were stuck into a canvas painted to represent water.

The fragment K. K. iii. 01 is a very curious piece of lacquered silk gauze.

Buddhist temple banners were painted on silk and a fine evenly woven material, remarkably like modern fan gauze, was used for the unique secular paintings Ast. iii. 4. 010. (*See* the section on Paintings p. 29).

The figured silks applied to shoe making are described in the descriptive lists and in the note on Shoes and Sandals, below.

Shoes and Sandals.

Foot-gear found at the various Central Asian sites consists almost entirely of sandals and shoes.

A few of the shoes are of leather and these being all from the Niya, Lou-lan, early sites of the Tun-huang *limes*, etc., are therefore probably not later than the third century A.D. and some of them much earlier.

The materials most commonly used are string and various woven fabrics. A few paper shoes, found in burials, may be considered as not intended for the use of the living.

Although leather shoes are referred to in ancient military equipment lists of the first century A.D. found by Sir Aurel Stein at the Tun-huang *limes*,[23] shoes made of string seem to have been the more usual wear for ordinary people and the soldiers serving at the Watch stations along the Tun-huang *limes*. The string seems to be made of hemp fibre and is very strong. The construction is a compromise between a shoe and a sandal. It is workmanlike and designed to secure durability and snug fitting. The toe is usually finished in an elongated point which was drawn upwards and inwards to protect the ends of the wearer's toes.

More elaborate and more "dressy" are the various examples of fabric shoes. These are shaped on a wooden last and in some cases show great skill in manufacture. One of the most interesting is L. II. 04, a fine woollen tapestry shoe of Chinese design and

[22] See Stein, *Serindia*, p. 760.

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workmanship, dating back to perhaps the third century A.D. It is woven to shape, the warp threads having been fastened at their lower ends to the edges of the sole, brought across the upright edges of a thin last and then gathered up to a suitable point or points above to give the requisite diminishing slope. In fact each shoe was woven on a miniature loom formed by the last and one or more upright pegs.

Toy. II. 03 is a canvas shoe of interesting make with a curious arrangement of knots on the sole to give a grip on the ground.

Shoes that have uppers made of already woven material usually have a seam running down the centre of the toe and another down the back of the heel, the upper being in two pieces joined. The seams are cleverly worked and are sometimes emphasized by bands of ornamental stitchery or braiding, as for example the exquisitely made shoes Kao. III. 03 and 063. The uppers of the child's shoes Ast. ii. 1. 022 are, however, each cut in one piece. A typical Chinese shoe is T. XLII. e. 02, with broad, turned-up toe. The curious black lacquered canvas shoe Ast. vii. 1. 07, although elaborately made, was probably intended only for burial or ceremonial use.

In all shoes and sandals from the earliest to the most recent in the collections, hemp in some form—string or yarn or fabric—seems to have been used. The entire shoe, other than the string sandal, was composed of at least three thicknesses of material, of which one or more was made of hemp.

The shoe T. 0014 has an interlining of a waxed fabric probably to make it waterproof. T. XII. a. 0033 is another example of similar construction.

Several of the shoes found in graves were made of paper, sometimes covered with silk, as Ast. vi. 1. 021 or just painted black, as Ast. v. 1. 03.

Wooden sandals are represented by Toy. 056. a, and b.

N. XIX. 002 is a shoemaker's last and T. XLIII. j. 02 is evidently a heel-last and bears the marks of the needle or awl at its edges.

Stone.

Apart from the pre-historic stone implements there is little of stone in the collections. The fragments of alabaster and other stone vessels from neolithic sites in Sīstān are interesting on account of their age and their resemblance to vessels of the same material and types found in Egypt, Mesopotamia, the Swat Valley in NW. India and elsewhere. These Sīstān specimens are very fragmentary but sufficient for purpose of classification and the incised patterns on the grey stone fragments have the particular interest of repeating the patterns of neolithic painted ware.

All the stone objects of historic periods are small and include amulets, spinning whorls, jade finger-rings and similar things. The jade netsuki Kao. 02 and the jade fish Kao. 013 are good specimens of Chinese work.

There are occasional figures of no particular artistic merit, such as the steatite Buddha Kh. 020, and the curious limbless female figure L. S. 6. 01. The steatite relief fragment

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Yo. 00138, showing a dwarfish figure and the seated figure in the same material, Khot. 04. e are probably Indian.

Horn.

Objects fashioned in horn are mostly spoons; for example, B. 0249 and L. D. 06. There are a few fragments of horn combs and the fragment of an object, L. A. V. x. 01. resembling a saddle-tree. L. B. IV. ii. 006 is a horn knife-handle and M. B. I. v. 01 is a razor with horn handle.

Bone.

Bone was used for dice, as Y. II. 03, for pins for securing drapery, a good example being L. F. 3. 03, and for buttons, studs and small ornaments.

Shell.

Small shells were drilled and threaded as beads, and discs cut from large shells were used as buttons and studs.

Coral.

With the exception of the carved piece K. K. 085, coral occurs only in very small beads and very rarely.

Leather.

The leather industry was well understood in Central Asia at a very early period. Leather of various kinds was found at the Watch Towers of the Tun-huang *limes*, at Niya, Lou-lan, Mīrān and Endere, ranging from heavy shoe leather for military wear to the finest and most dainty kid. The shoes appear to have been invariably blunt toed, as for example L. A. VI. v. 01, not pointed as were all the string shoes and sandals.

Fragments having the fur still adhering, are probably parts of body garments and show regular rows of holes round the edges left by the perished stitching, by which the pieces were joined.

Examples of body armour for soldiers, made of leather scales laced together were discovered at the Mīrān and Niya sites—both on the early trade route under Chinese military protection. The scales were lacquered red inside and black outside and ornamented with simple sgraffito patterns as on M. I. ix. 004. They were laced together with leather thongs and were arranged to overlap upwards, the reverse of the method used in Roman scale armour but in agreement with examples in Gandhāra sculptures, in the painted silk temple banners from Tun-huang and with an actual suit of iron scale armour from Tibet, now in the British Museum.

There are fragments of straps, bands of several thicknesses sewn together as though for parts of harness, as for instance L. M. I. 010 and L. M. I. i. 016 and L. C. iv. 04, which is probably a frontal ornament for a horse's bridle and is enriched with a line of crimson

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woollen plush worked on the leather, and whips made of plaited thongs like modern dog whips. Leather was also used as a writing material just as parchment has continued in use in the West down to our own time.

Fibres, Grass, Rushes, etc.

The people of Central Asia showed considerable ingenuity and resourcefulness in turning to practical account for their daily needs, the natural products of the vegetable kingdom. The many uses to which they put wood have already been referred to (p. 9). Cotton and hemp supplied the material for much of their cloth, their foot coverings, ropes, cords, fishing and trapping nets; while rushes and grasses from the river banks were brought under contribution in various ways.

Rope and cord are of all kinds and sizes. For thick rope and a good deal of string a fibre, which is probably hemp, was used; but cotton, wool, silk, goat's hair and even felt were also employed. It is recorded in documents of the first century A.D., found by Sir Aurel Stein at the Tun-huang *limes*, that silk and hemp were both used for bow strings.[21]

Mats, baskets, brooms and brushes were made from rushes and cane. Examples of grass mats are T. XIV. i. 006 and T. XLVI. h. 03. T. XLIII. j. 04 is made of twigs bound together with string, and Ast. vi. 4. 014 is made of split cane.

Baskets were made of twigs, rushes, etc. A good example is the fragment T. 03 and examples of extremely fine work are the oval baskets found in some of the Lou-lan burials. These baskets are made of fine, tough fibre closely woven on "stakes" or warp of bamboo (?) and seem to have been coated with lac or some kind of varnish and were probably waterproof. L. C. 05 is an example.

Whisk brooms, such as N. XIV. iii. 0026, were ingeniously made of grass, as were also distemper brushes, such as M. B. I. xii. 04.

Pads to protect the head when carrying pitchers of water or other loads, were rings made of twisted grass.

Traps for small game were constructed by setting a number of pointed sticks on the inner face of a grass rope ring, the points all directed towards the centre of the circle, the points being free and the butt ends fixed in the slightly flexible grass ring. Any small animal stepping into the ring would find itself held by the pointed sticks which were arranged so as to be yielding under impact but resistant against withdrawal; and if the trap were secured by a cord to a stake there would be no immediate chance of escape.

Writing Materials.

Before the invention of paper by the Chinese Ts'ai Lun about the year 105 A.D. the material most commonly used in Central Asia for writing upon was wood, and in China,

[21] See Stein, *Serindia*, p. 758.

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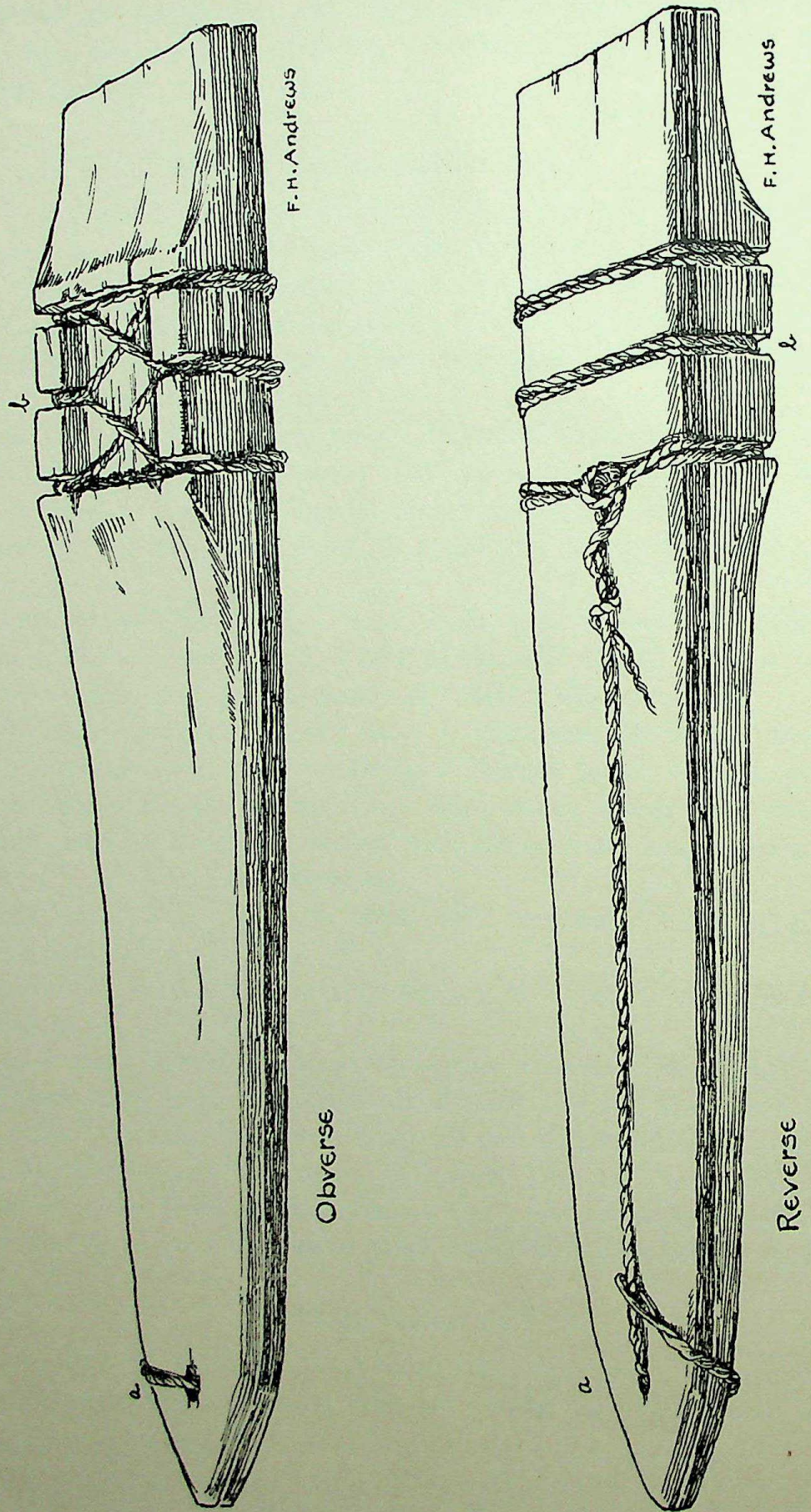

FIG. 1.—KHAROṢṬHI DOCUMENTS ON WOOD, SHOWING METHOD OF SEALING.

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bamboo. Even after paper had been made, the use of bamboo continued in China for some time and, as Sir Aurel Stein's discoveries show, in Central Asia, wood remained the official writing material down to about the end of the third century A.D.

It was not until Sir Aurel Stein's discovery at Niya in 1901 that the character of this early wooden stationery was known. It takes many forms, from a mere rough twig to the ingenious double tablet of either "wedge shape" or rectangular, designed to be closed and sealed with as much security against unauthorised inspection as the most carefully sealed "cover" of to-day. The twigs, stick-like tablets, single rectangular and *takhti* shaped tablets are generally memos., accounts, casual unimportant communications and similar matter. The double documents are more or less confidential letters, agreements and official despatches.

The double wedge-shaped document consists of two tablets, upper and lower. The lower or under piece is a thin, flat, elongated triangular tablet about a quarter of an inch thick, more or less according to its general size. The upper piece is of the same shape but has a thickened portion near the base end of the triangle, about three-quarters of an inch thick extending across the width of the tablet and about one and three-quarters inches the other way. In this is a cavity to hold a seal, and across it are three grooves, cut down to the level of the floor of the cavity, two coinciding with the transverse edges of the cavity and the third midway between. Near the point of the triangle, in each tablet is drilled a small hole, just large enough to take a rather thin string. The two tablets fit together accurately and the method of securing them is clearly shown in the sketch, fig. 1. The seal, made of a specially prepared clay, is packed into the cavity, embedding the crossing strings and is impressed with the sender's seal.

The rectangular double tablets are a modification of the above. The under tablet has a transverse portion at each end slightly thicker than the centre part, the thickening projecting on the upper face. The upper tablet fits exactly into the space between the two raised ends, with which it is flush. It has the thickened part for the seal cavity in the centre of the upper surface and in "closing", the strings are simply passed transversely round the two tablets and sealed as before. The upper tablet cannot be slid out endwise from the encircling strings because of the check of the sunk portion into which it is fitted.

The written communication is on the two inner surfaces of the tablets which when "closed" are face to face and are therefore secure from scrutiny until the string is cut and the tablets parted.

When the document has been closed the address and the name of the person entrusted with it are inscribed on the outside.

The script most commonly used in the documents is that which was current at the period of the Kuṣana or Indo-Scythian rule in the N.-W. of India during the first three centuries A.D., designated Kharoṣṭhī and hitherto known only from coins and the fragmentary birch bark leaves forming the Dutruil de Rhins MS. obtained some years before from natives of Khotan.

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Although Kharoṣṭhī is not yet sufficiently understood for the complete decipherment of these intensely interesting documents, sufficient has been made out to determine their general character.[25] At the time of discovery Sir Aurel Stein made out the word *datavo* ("to be given to") written on the obverse of the upper tablet near the string hole and he found that the words on the right side of the seal cavity always contained a name.[26] At the head of the text on all wedge-shaped documents is written *mahanuava maharaya lihati* ("His Excellency the Maharaja writes"), indicating the official nature of the communication.

That paper occasionally found its way to Central Asia during the period of the Kharoṣṭhī script is shown by the few fragments written in that character, such as L. A. VI. ii. 0102, etc., and at the Watch Tower T. XII. a. of the Tun-huang *limes* a collection of paper documents was discovered written in the "unknown" Early Sogdian script, their date being not later than the middle of the second century A.D.[27]

It would appear that early paper was made from the bast fibres of the paper mulberry tree of China and Japan (*Broussonetia papyrifera*), old rags of this material and hemp being macerated for the purpose. The paper of the Early Sogdian documents is made entirely from rags of fabrics woven from Chinese hemp (*Bochineria nivea*).[28]

Documents written in Chinese were generally on small lath-like slips about 9 inches long (the Chinese foot of the Han period) and from a quarter to half an inch in width. This seems to have been the type of slip used by the Chinese for official correspondence. Where bamboo was available they were of that material; otherwise tamarisk, poplar and other convenient woods were used. When several slips were needed for one document they were numbered and strung concertina-wise together by cords near the two ends.

Besides these regular forms of wooden stationery there were slips, labels, sticks and boards of all shapes and sizes. In addition to wood and paper the discovery of MSS. on leather, birch bark and silk is evidence that these materials were also used during the first three centuries A.D.

At a later period paper spread from China more generally westward and it is probable that many local manufactories were started. Wood does not, however, entirely disappear and in fact still survives as a writing material in the *takhti* commonly used in village schools.

Reed and wooden pens were found at many sites. The wooden pens are often merely thin twigs, carefully pointed and split from the tip a short distance up. Ancient brushes as used by Chinese for writing have not survived.

Receptacles for ink were of wood, horn and probably earthenware. Examples of the first two are respectively Kao. III. E. 03, which was lacquered outside, and N. XXIII. ii. 005.

[25] See *Kharoṣṭhī Inscriptions discovered by Sir Aurel Stein in Chinese Turkestan; transcribed and edited by A. W. Boyer, E. J. Rapson, and A. E. Senart.* Clarendon Press; Vol. I, 1920, Vol. II, 1927.

[26] See Stein, *Ancient Khotan, pp.* 316 sqq. [27] See Stein, *Serindia,* p. 674. [28] See Stein, *Serindia,* pp. 669 sqq.

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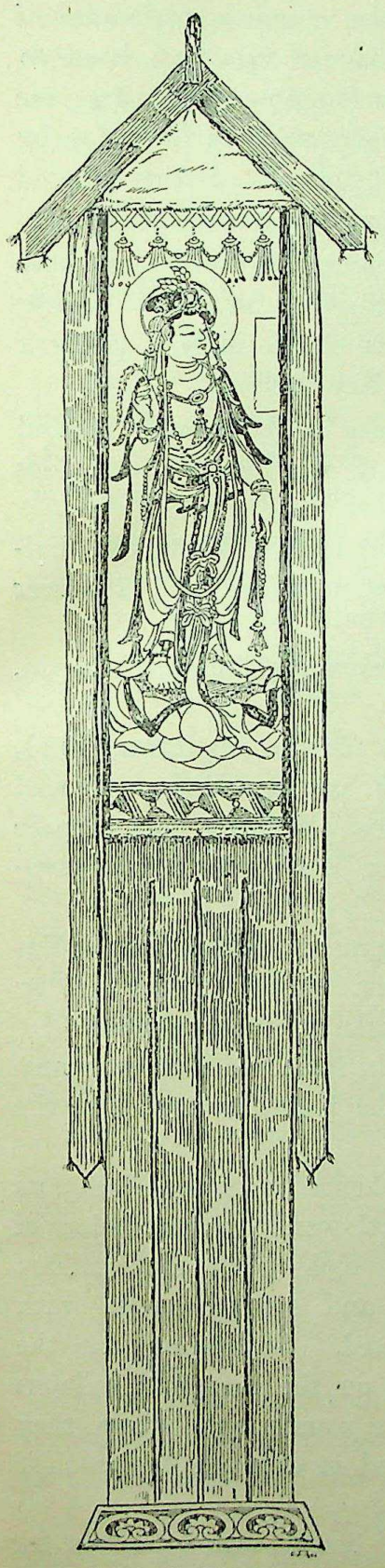

FIG. 2. TEMPLE BANNER TYPE (*b*).

Paintings.

The discovery by Sir Aurel Stein, in 1907, of a great collection of ancient temple banners and hangings in one of the cave-shrines at Ch'ien-fo-tung (the Caves of the "Thousand Buddhas") in the Tun-huang oasis, is of the highest importance to the student of Chinese painting of the T'ang period and to the student of the arts of weaving.

The condition in which this rich accumulation was found suggests that it had been hastily gathered together, probably at a time of sudden emergency, and thrown into the ante-room in which it was found, to save it from destruction or pillage. Thousands of MSS. and printed books, mostly in Chinese, and consisting chiefly of sacred texts were deposited in the ante-room at the same time and the opening leading into the room from the main shrine was then bricked up and painted over.[29]

Most of the banners are of silk, either fine gauze, resembling modern fan-gauze, or of ordinary plain weave. Others are cotton and linen of various qualities and some are stout canvas-like material perhaps woven in a hemp thread.

There are two principal types. (*a*) square or rectangular with loops at the upper edge for suspension perhaps against the wall. And (*b*) rectangular with a triangular heading furnished with a single loop at its apex and with three or four long streamers hanging from the bottom edge. To prevent these streamers from fluttering a wooden weighting-piece is attached to their lower ends. This piece is a batten nearly two inches wide, about half an inch thick and in length about equal to the width of the banner, but rather longer at its lower than at its upper edge, the ends being cut slanting outwards and downwards. On its upper surface is a deep groove, cut centrally along its length to receive the lower ends of the streamers and into which groove they are neatly secured. The outward faces of the battens are painted with conventional or floral ornament. Fig. 2.

A thin stick is inserted in a hem at the lower edge of the triangular heading and another at the junction of the lower streamers with the body of the banner to keep the upper part of the banner flat. The heading is rather wider than the rectangle of the banner and overhangs at each side. To the overhanging part a long streamer is attached at each side and being unchecked is free to flutter as the breeze plays with it (see fig. 2). It will

[29] See Stein, *Serindia*, pp. 807 sqq.

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be seen that the whole scheme of the banner is characteristic of the artistic apprehension of the people of the T'ang period. The single loop allows the banner to adjust itself to the direction of the breeze; the central streamers with their restraining weighting-piece permit a gentle undulating movement to the body of the banner which is kept flat by the wooden pieces at top and bottom, so preventing undue distortion of the painted subject; the two uncontrolled side streamers float freely and contribute animation.

The (*b*) type, if of silk, is usually fine gauze and the painting is therefore visible on both sides, the back being reinforced by paint to strengthen the otherwise somewhat fainter image. This type of banner, but without the weighting-piece, is shown in wall painting Bez. i. E-G, case B, Room I, Central Asian Antiquities Museum, New Delhi.

The many sizes and qualities of banner, from small plain ones to those finely painted with Buddhist subjects doubtless indicate the financial capacity or the degree of religious fervour of the donors.

A favourite subject of the (*a*) type is a scene in the Paradise of the West with divinities enthroned on terraces around a lotus-studded lake, while musicians and a dancer provide harmony and rhythm. An example is Ch. lv. 0047.

Another subject frequently used is the enthroned Avaloketeśvara (Chinese Kuan-yin, Japanese Kwannon).

Right and left of the main subject and divided from it by a narrow ornamental band, small pictures of incidents from the Jātakas or other legends are sometimes arranged in panels one above the other to form a sort of border; and across the lower part a space may be reserved for a dedicatory prayer and portraits of the donor and his family in devotional pose.

The (*b*) type of banner is generally devoted to a single figure of Buddha, a Bodhisattva or a Lokapāla; but sometimes, as in the example Ch. lv. 0010 it is divided by cross bands into sections or "registers" in which are painted Jātaka or other subjects.

The painting is executed in a fine tempera and the wonderfully fresh condition of many of the colours after a thousand years indicates the quality of the pigments used and the care taken in their preparation.

The types of Buddha and of many personages constituting the hierarchy of the Mahāyāna doctrine were developed in plastic and pictorial art in the north-west by the fusion of Indian, Hellenistic and Persepolitan ideals. The development took place in Gandhāra and in Bactria generally where these influences were focussed and quickly spread with the streams of missionary activity wherever Buddhism penetrated. Enthusiasm for the new religion in China impelled many Chinese monks to venture on the long and arduous pilgrimage to the holy places sanctified by Gautāma Buddha's wanderings, where they sought knowledge of ritual and secured copies of sacred texts and models for use at their shrines in China.

Upon these Graeco-Buddhist models Chinese artists have based their designs for temple paintings. But to a people possessing a highly cultivated art sense it was natural that they should imbue their designs with something of their own spirit. The period

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of the Ch'ien-fo-tung paintings (T'ang, VIIth century A.D.) was that of the highest development of Art in China and although many of the banners belong to the latter part of that period and others are probably copies of earlier originals, they still present an aggregate of great artistic achievement.

It is probable that the pictorial conception of the Paradise of the West is Chinese. The architectural setting is purely Chinese. The musicians play upon Chinese instruments. Clouds, foliage, birds and water are all treated in Chinese style. The costumes of the Divinities, although Indian, are drawn with Chinese feeling. The Lokapālas are Chinese warriors, harnessed and equipped in native fashion.

In the Jātaka and legendary scenes the artists appear to have discarded the hampering restrictions of imported conventions and have worked in the freer and more human atmosphere of their own style. This is seen in the fragments of (*b*) banners Ch. lv. 0010 and 0011 and down the sides of such (*a*) banners as Ch. lv. 0033 and 0047.

The banners made of linen canvas are of both (*a*) and (*b*) types but the painting is very much coarser and has little charm of colour or design.

The few paper banners are of inferior execution generally.

Apart from the great find at Ch'ien-fo-tung, some fragments of the highest importance to the study of Chinese painting of the T'ang period are those found in an Astāna grave, Ast. iii. 4. 010. These are detached portions of a makimono-like scroll containing scenes in which ladies with attendants appear beneath trees, perhaps listening to the music of a sort of mandoline played by a woman and watching the movements of a dancer. The falling petals of the blossoming fruit trees and the joyous flight of birds suggest, as Mr. Laurence Binyon says, a festival of Spring. The condition of the painting is amazingly clean and fresh although dating from the early eighth century A.D., but the silk itself is very brittle and has broken into many small pieces. In some places the black outlining paint has corroded the fabric causing sections to drop out. The scenes are divided from each other by strips of silk damask pasted vertically across the surface and similar silk has been pasted along the upper and lower edges to form borders.

Of an entirely different type are the large hanging and pall found in Astāna grave ix. They are crudely painted on natural-colour silk and represent, to life-size scale, the legendary hero Fu-hsi and his consort Nu-wa with long, entwined serpentine bodies. On the background are appropriate stellar constellations.

Drawings and Block Prints.

The large number of drawings on paper, mostly mere fragments, are of great interest. Those on extremely thin paper are probably tracings from originals. Others although but slight sketches, show considerable knowledge of form and facility of execution.

Ast. vi. 3. 05. is a drawing of an interesting scene closely resembling certain sculptured stone reliefs of the Han period found at Shan-tung and reproduced in E. Chavannes' *Mission archeologique dans la Chine septentrionale.* Although the drawing is poor it tells the whole story quite effectually.

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The group of galloping horses shown in M. Tagh 0655. a is a very spirited sketch, full of character and exhibiting the Chinese genius for portraying movement.

The fragments from Khara-khoto (K. K. II) are full of interest and are described in detail in the Catalogue (*See* pp. 261, 262) K. K. II. 0313. a, and K. K. II. 0313. c, are particularly good.

The art of engraving and printing from wood blocks is very early in China and seems to have developed to meet the demand for copies of Buddhist texts, mantras and prayers. Accumulation of merit by the repetition of prayer is greatly helped by printing; for any mechanical means of multiplication seems to be authorized.

Among the Chinese rolls secured by Sir Aurel Stein from the "Thousand Buddhas" is the earliest known specimen of printing, now in the British Museum, and identified by Dr. Lionel Giles as a copy of the *Fo shuo kuan shih yin ching*, chapter 25 of *Miao fa lien hua ching* (Saddharma-pundarika-sutra). From the characters of the script and the nature of the paper he considers it to date from about the 8th century A.D.

The pictorial block-prints in the collection are mostly illustrations to Buddhist canonical texts and are reproductions of outline drawings, evidently intended originally to be coloured either by hand or, less probably, by colour blocks. No shading is used but some show a fine and discriminating use of solid black.

A printed roll from the "Thousand Buddhas" shrine, Ch. ciii. 0014, in the British Museum, contains the complete text of the *Vajracchedika*, and has at the beginning a frontispiece printed from a block cut in outline representing Śākyamuni enthroned, surrounded by shaven monks and divinities. The date of this roll corresponds with 868 A.D. and is the earliest pictorial wood-cut at present known.

A picture representing two acrobatic dancers (Kao. 05) is a fine piece of work. In this there is a restrained application of supplementary tints which appear to have been washed in with a brush but may be a skilful combination of colour-block printing and brush work. There seems to be no religious significance in the picture, from which it may be assumed that pictorial printing enjoyed a popular appeal apart from canonical requirements.

The collection of block-print fragments from the Khara-khoto ruins evince the engraver's skill equally with the fine sense of composition and knowledge of form possessed by designers of the period. K. K. II. 0233. b, 0280. a and 0290. a are fragments of a remarkably elaborate composition, full of interesting detail. Fragments K. K. II. 0242. a. i-viii are mostly disconnected pieces of a very beautiful scheme of illumination for a canonical text or invocation. K. K. II. 0241. a, 0284. a and 0285. b. vi are leaves from illustrated books in the Hsi-hsia character. The third picture from the top on the lefthand side of K. K. II. 0284. a appears to represent the same incident as that of the wall painting Ch. II. a. 036 in Case A, Room III in the Central Asian Antiquities Museum, New Delhi.

The text of the K. K. prints is practically all in Hsi-hsia character and therefore indicates for them a period from about the middle of the eleventh to the beginning of the thirteenth century A.D.

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CATALOGUE

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DESCRIPTIVE CATALOGUE OF OBJECTS.

Sites between Kashmir and Kashgar.

DARĒL. N. of Kashmir about 120 miles from Srinagar.
YĀSĪN. 60 miles N. of Darel.
MASTŪJ. 50 miles W. of Yāsīn.

OBJECTS FOUND IN DARĒL (Dar., Kīne-kōt).

Bojō-Kōt Burial Place.

Pottery.

Dar. 05. Spinning whorl in form of two cones joined at bases; grey.
Dar. 014-016 (Bojō-kōt) Fragments with incised ornament.

Glass.

Dar. 06. Four glass beads attached to silver ornament. *See* also under Metal.
Dar. 09. Twelve beads, chiefly blue and green.
Dar. 013. Glass beads, etc. *See* also under Stone.

Metal.

Dar. 02. Silver amulet case, square, with two loops at lower edge to which is attached a chain of wire suspending a semi-sphere; repoussé pattern on both sides; broken.
Dar. 03. Copper amulet case similar to preceding but without loops and chains.
Dar. 04. Fragment of silver armlet.
Dar. 06. Fragment of silver ornament; a heart-shaped palmette of "cable" wire, with four glass beads attached; below, a heart-shaped cell-setting for jewel (lost). *See* also under Glass.
Dar. 07. Fragment of iron chain.
Dar. 010. Rings and various fragments.
Dar. 012. Fragments of bronze and lead.

Stone.

Dar. 08. Bead. *See* also under Miscellaneous.
Dar. 011. Three beads; cornelian and pebbles.
Dar. 013. Fragments of pebble, crystal, etc. *See* also under Glass.

Miscellaneous.

Dar. 08. Eight cowrie shells, drilled and one stone bead. *See* also under Stone.
Dar. 013. Teeth. *See* also under Glass and Stone.

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KĪNE-KŌT AND RAMAL-KŌT SITES.

Pottery.

Kīne-kōt 01. Fragment of vessel.

Ramal-kōt 01. Fragment of vessel; coarse.

YĀSĪN.

Stucco.

Yāsīn 01. Seven miniature low relief votive plaques; device: a stupa with four-tier base and umbrellas above; Nāgari characters on background.

OBJECT FROM SANŌGHARO-NOGŌR.

Mastūj.

Pottery.

Sanōghar 001. Fragment; dull red; gritty; surfaced with sludge of same clay.

OBJECT FROM NOGHŌRO-DOK, BREP.

Mastūj.

Pottery.

Brep 001. Fragment; dull red-grey.

Brep 002. Fragment; grey with slip (?) of deep orange colour; hard.

Kāshgar to Khotan.

Kāshgar, formerly Su-lê, received its present name after the Arab Conquest in 715-16 A.D. It was a place of some importance as a junction of routes between China and the West. The Chinese Buddhist pilgrim Chih-meng records having seen there the begging-bowl and spittoon of Buddha. The Hīnayāna form of Buddhism seems to have been practised there at that time.

The route from Kāshgar to Khotan runs generally in a S.E. direction, passing through the following places. The distances, in a direct line, are approximate.

Yārkand 100 miles.

TOGU-JAI
MOJI } 170 miles.

PUSKI 180 miles.

KHOTAN 250 miles.

OBJECTS FROM TOGU-JAI.

Pottery.

Togu-jai 001. Fragment from neck and shoulder of vessel; band of punch-marks; red.

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Glass.

Togu-jai 002-0018. Fragments of Arab glass; mediæval.
Togu-jai 0019. Glass rod, splayed at end; yellow-green.
Togu-jai 0021. Fragment of bead; dark, with spots of blue on white.

OBJECT FROM MOJI.

Pottery.

Moji b. Fragment; with incised annular lines; red with pale yellow slip.

OBJECTS FOUND AT JANGAL-BĀGH TATI NEAR PUSKI (Puski).

Pottery.

Puski 002-009. Fragments, hard, red. 002 with band of incised wave. 003 as 002 but thinner. 004 lip of vessel. 006 with thin, friable light slip. 007 with roughly incised pattern. 008 neck and rim of vessel. 009 with reddish slip on outer side.

Wood.

Puski 0010. Split piece of willow from plaster support.
Puski 0011. Split stick of tamarisk.

Sites in or near to the Khotan Oasis.

The Khotan oasis extends for 40 miles along the foot of the outer hills of the Kun-lun range. It has been the chief source of supply of jade for China from the earliest times and its ancient silk industry still flourishes. The romantic story of the first introduction of silk into Khotan, recorded by the Chinese Buddhist pilgrim Hsüan-tsang (first half of VIIth century A.D.), is told in *Ancient Khotan*. Paper, carpets and felts are old industries of the oasis, still followed. The pottery industry of antiquity attained a high standard of craftsmanship as the examples in the collection testify.

The ancient capital of Khotan is identified with YŌTKAN, a group of detached hamlets about 5 miles west of Yangi-shahr, the Chinese town of Khotan, and it is from this site that a large number of objects have been recovered.

NAGHĀRA-KHĀNA is 4 miles south-west and CHALMA-KAZĀN 11 miles south of Khotan town, just beyond the southern edge of the oasis. The following distances are mainly reckoned from the town of Khotan. KARA-SAI, 32 miles north-west and outside the oasis. TĀRISHLAK, 20 miles due north. MAZĀR TĀGH, 150 miles north. ISLĀMĀBĀD, about 50 miles north-north-east, the northernmost outlying settlement of the Khotan district. KHITAI-OILIK lies 20 miles north of Islāmābād on the Karakāsh river. KŌK-KUM-ĀRISH, 14 miles north-north-east. RAWAK, 4½ miles further in the same direction. KĪNE-TOKMAK, 2 or 3 miles north-east of Rawak. JIYA, 7 miles north-east of Khotan town; SUYA, 10 miles. HANGUYA TATI, about 15 miles east-north-east. TAM-ŌGHIL, 6 miles east. SIYELIK, 10 miles east. AKTEREK 13

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miles east, and SAMPULA, 13 miles south-east. The YANGI-DARYĀ is a stream running north and south through the western part of the oasis and is an offshoot of the Karakash river which it rejoins about 25 miles further north.

NOTE ON YŌTKAN POTTERY. A large proportion of the objects acquired at Khotan and Yōtkan consists of terra-cotta fragments of vessels and more or less complete figurines. At the period represented by this mass of material, described in detail in the following lists, Yōtkan seems to have been the centre of a very flourishing pottery industry. It is noticeable that there is practically no glazed ware, the specimens being unglazed terracotta of a very rich colour, generally of fine texture and most skilfully fired. From the fragments of vessels of useful size it is evident that decorative treatment was popular and that in both design and execution the art had attained a very high standard. Decoration was mainly of two kinds, generally combined; incised ornament done partly with a point and partly with ring-and-dot punches, and applied ornaments cast in separate moulds and plastered on to the vessels by the usual potter's method, before firing. This part of the work was the least satisfactory and accounts for the many detached appliqué pieces which have separated from their parent vessels and the handles, etc., which, cast in two halves have come apart. Careful examination of the appliqué ornaments shows that a certain amount of tooling was sometimes done to them after being turned out of the mould. The character of the designs is of considerable interest, embodying as they do motifs referable to Hellenistic, Iranian, Indian, and occasionally, Mongolian sources. The grotesque masks, for example, range from a classical gorgon type, through the Indian kirtthimūkhi to the Chinese t'ao-t'-ieh or "glutton head". The introduction of the vine, the rhyton and Bacchic motifs; of elephants, Buddha figures and the lotus, further attest the complexity. The grotesque zoomorphic handles, of which there are several varieties, recall some of the bronzes of Luristān.

The large number of grotesque monkey figurines show great fertility of invention and a strong sense of humour. The use of moulds in producing them is probable but they depend for their individual character upon the hand manipulation after casting. Their purpose is at present a matter of speculation.

All the Yōtkan antiques were acquired by purchase either at Yōtkan or at Khotan.

OBJECTS ACQUIRED FROM YŌTKAN AND IN KHOTAN (Badr., Har., Jiya, Kasim, Kh., Khot., Tam., Yo.)

Pottery.

Badr. 09, 013, 018, 036, 0302, 0319, 0323, 0324, 0325, 0344, 0375. Terracotta fragments of handles of vessels. 09, straight, in form of dragon-like beast; jaws open. 013, ram's head thumb-rest from handle. 018, ring handle, triangular in section. 036, sheep's head, as Yo. 086. a-f. 0302, base of handle with acanthus leaf as Yo. 011. 0319, part of trefoil leaf at base. 0323, handle in form of deer's head with short straight horns;

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hole through neck. 0324, horse head, right half only, as Yo. 088. 0325, winged horse, left side only, as Yo. 079. 0344, part of vessel with base of handle which begins as single stem and then divides into two with small ball in fork. 0375, grotesque sheep's head as Yo. 087. a-d.

Badr. 010-012, 0255, 0334-0337, 0360-0369, 0377, 0378, 0385-0390. Terra-cotta fragments of grotesque monkeys. 010, owl type, head turned over right shoulder; arms and legs missing. 011, owl type, head and body only. 012, head, snout uplifted. 0255, head only. 0334, female, upper part; breasts moulded and emphasized by punched circle and dot; end of hair plait over left shoulder. Body moulded in two halves, joined, and arms afterwards added. 0335, owl type, seated; loin-cloth. 0336, body and head. 0337, body and head with outstretched stumps of arms. 0360, seated with legs bent under him. 0361, owl type; probably in attitude of floating on skin; limbs lost. 0362, owl type; head uplifted; arms and lower half lost. 0363, owl type, squatting on heels and playing sitar. 0364, owl type; upper part; playing syrinx held by both hands. 0365, female (?) seated; limbs lost. 0366, head and limbs lost. 0367, sitting upright on heels, left hand at breast; loin-cloth. 0368, owl type; head and upper part; limbs lost. 0369, couple embracing. 0377, head only, crude. 0378, head only, long face, saturnine expression. 0385, standing, playing sitar; loin-cloth. 0386, torso with part of left arm. 0387, seated, legs apart; loin-cloth; head and arms lost. 0388, owl type, upper half; right side of head and arms lost. 0389, owl type; upper half; head tilted back drinking from horn held in both hands. 0390, owl type; head and shoulders.

Badr. 014-015. Terra-cotta fragments of beast-head spouts. 014, ram's head. 015, horse-head with hogged mane.

Badr. 016. Terra-cotta grotesque beast-head; traces of green glaze.

Badr. 017, 0232, 0236, 0327, 0370. Terra-cotta fragments of animals. 017, camel (?) with load; kneeling; head, hind quarters and upper part of back lost. 0232, head of sheep or camel, as Yo. 071; left side. 0236, hind leg and hump of camel, as Yo. 075. 0327, miniature dog, standing with tail curved over back and head lifted. 0370, horse-head, as Yo. 090; cast of left side only; hole drilled through between eye and mouth.

Badr. 019, 020, 031, 0231, 0326, 0372, 0373. Terra-cotta fragments of ornaments from vessels. 019, elliptical jewel surrounded by pearls. 020, indeterminate. 031, two-lobed lotus petal. 0231, six-petalled rosette rising from pair of voluted leaves. 0326, anthemion with palmette-like leaves and large expanding bud on straight centre stem; right side and top lost. 0372, oval bunch of grapes, probably from neck of vessel. 0373, elliptical jewel with pearl border, as Yo. 022.

Badr. 021, 029, 0297, 0298, 0329-0333. Terra-cotta fragments of appliqué masks from vessels. 021, lion-head as Yo. 053. a-j. 029, nose, mouth, chin, left cheek and eye. 0297, grotesque human with wide smiling mouth; left side, forehead, lower lip and chin lost. 0298, lion-head as Yo. 058. a-j. 0329, half-human, half-leonine encircled

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by fringe of short hair. *Cf.* Yo. 055. 0330, Neptune-like, as Yo. 057. 0331, grotesque human, as Yo. 057. 0332, lion-head, as Yo. 058. a-j. 0333, monkey-face, very stylized.

Badr. 022, 028, 037, 0320, 0328, 0383, 0384. Terra-cotta heads. 022, female, with elaborate coiffure. 028, Gandharvī type; hair in top-knot with fillet. 037, woman's head with fragment of pot attached; small features; hair parted in middle and drawn in smooth bandeaux down sides of head and bunched at ears. 0320, appliqué ornament; circular, moulded with upper half of Gandharvī figure with outspread arms holding up garland. 0328, as preceding. 0383, monkey's head with fragment of wall of vessel attached of which it forms a part (not appliqué) and seems to be a knob handle. 0384, back of head moulded in separate piece from front. Circular hole through crown.

Badr. 033, 070, 072, 0300, 0303, 0322, 0338, 0341, 0371, 0376. Terra-cotta fragments of vessels. 033, probably from base of neck; ornamented with two small appliqué dancing figures. Left, leaning forward with outstretched arms. Right, jumping with crossed legs and holding object on head. Drapery hanging from shoulders. 070, small jug with handle. 072, shoulder of vessel with incised lines and appliqué animal head below base of handle (lost). 0300, from wall of vessel with rudely modelled face of grotesque human type. 0303, from wall of vessel with vine scroll in relief. 0322, from wall of vessel showing leaf-tip ornament as Yo. 020, 022. 0338, vessel of ovoid shape with remains of spout below rim and on opposite side a knob handle perhaps originally a head but worn smooth. 0341, fragment showing moulded lion-like horned beast in Chinese style, with bead and fillet border. 0371, from wall of vessel with relief ornament of pointed leaf with small boss at tip. 0376, miniature vase; solid; with pair of ring handles.

Badr. 034, 035, 0342. Terra-cotta fragments showing Buddha figures. 034, seated in meditation; lower part only. 035, similar to preceding; complete all but head. 0342, head and upper half.

Badr. 0137, 0138, 0380, 0391. Spinning whorls variously ornamented.

Badr. 0374. Terra-cotta fragment of bird's (cock) tail.

Badr. 0426. Terra-cotta male head from figure of Chinese type; hairless, wearing cap with high lobate crown, like cap of Liberty. The narrow bands rising from the sides meet in centre just below lobe of crown where they are knotted together. Face smiling and very delicately modelled. For type of cap *see* silk painting Ch. lxi. 002.

Badr. 0427. Terra-cotta camel with rider or load; head, hind feet and most of load missing.

Badr. 0428. Terra-cotta male head of royal personage with fillet and turban; long hair drawn back over ears and scrolled at ends; Indian type.

Har. 015, 016. Fragments of terra-cotta grotesque monkey ornaments from vessels. 015, fragments similar to 016. 016, grotesque monkey squatting on part of wall of vessel and supporting a small bowl on his head, both arms upraised to steady it; very stylized; *cf.* Yo. 0104.

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Har. 023. Terra-cotta flask, ovoid, broad end downwards; trumpet mouth; two loop handles with human heads at their base; on shoulder of flask, between handles, two seated Buddha figures. Below each Buddha a boar's head with large erect ears; to right, grotesque human face wearing turban (?); to left, grotesque animal head with large ears and horns and fringe of curly hair. On other side to right, a ram's head; to left, a small "Buddha" head; roughly made.

Har. 025. Terra-cotta appliqué satyr mask.

Har. 026. Terra-cotta appliqué lotus-tip ornament.

Har. 027. Terra-cotta appliqué gargoyle-like female head of very Gothic type; fine design.

Har. 028. Fragment of shoulder of terra-cotta vessel in seven pieces with line of Brahmi characters incised.

Kh. 09. Terra-cotta fragment of vessel with appliqué grotesque lion-face mask.

Kh. 010. Terra-cotta grotesque animal head, left side cast; sheep or camel.

Kh. 011, 013-017. Terra-cotta fragments of grotesque monkeys. 011, high pointed head; arms and lower part lost. 013, owl type; head only. 014, owl type; upper part. 015, owl type; hands to face holding small flat object; legs gone. 016, lower half and one arm missing. 017, owl type; head only.

Kh. 012. Terra-cotta grotesque human face; thick eyebrows and moustache; on head a coronet-like object.

Kh. 059. Spinning whorl; irregular six-petalled flower incised on under side.

Kh. 060. Circular disc, red, with upright mitre-shaped central lug or handle; probably cover of vessel; half missing.

Kh. 0190. Fragment from upper edge of small crucible (?)

Khot. 0010, 0011, 0015, 0023. Terra-cotta grotesque monkeys. 0010, naturalistic type, kneeling; wears loin-cloth and holds water-skin under left arm; phallic. 0011, kneeling; right hand on breast; on back hump-like object; phallic. 0015, owl type: legs and arms broken. 0023, naturalistic type; upper part; right hand at breast; left arm and all lower part lost.

Khot. 0012. Terra-cotta head of Buddha; front cast.

Khot. 0013. Terra-cotta fragment of female figure; lower part; as Khot. 01. 1; from belt hang fur tails or ornaments; legs in square columnar mass with vertical groove back and front.

Khot. 0014. Terra-cotta model of water-skin.

Khot. 0022. Terra-cotta human head, front cast; burnt since firing; traces of green colour.

Khot. 00101. Terra-cotta vessel, probably resembled Khot. 00102 when complete on shoulder, one lion mask appliqué which seems to have been added after handle broke.

Khot. 00102. Terra-cotta jug with single handle, resembling Greek œnochoë; no ornament.

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Khot. 01. a, c, e, f. Terra-cotta grotesque monkeys. (*a*) naturalistic type; upper part. (*c*) owl type, seated. (*e*) owl type, upper part; hands clasped flat at chest. (*f*) owl type; two squatting on low seat, left hands raised to mouths.

Khot. 01. g, h. Terra-cotta male heads; front cast; bald forehead, narrow eyes, long thin moustaches.

Khot. 01. i-k. Terra-cotta female heads; similar to Yo. 009. d. 3-7, Yo. 0041. f. i. l.

Khot. 01. l. Terra-cotta grotesque female figure; hair in conical coiffure with long pig-tail; large ears; collar supporting circular jewel in front; jewelled belt, kilt-like skirt; otherwise nude.

Khot. 01. m. Terra-cotta fragment of vase with appliqué Gandharvī figure; lower part lost;

Khot. 01. n-q. Terra-cotta appliqué masks of grotesque human type similar to Yo. 001. a., etc.

Khot. 01. r. Terra-cotta appliqué lion mask fringed with conventional curls.

Khot. 01. s. Terra-cotta fragment of vessel, fluted and with circular lion-head mask.

Khot. 01. t. Terra-cotta female monkey; naturalistic type; nude, kneeling on right knee; left leg bent at knee supports left elbow; left hand raised to temple; fine miniature work.

Khot. 02. p. Terra-cotta figure of squatting monkey; owl type; loin-cloth; right hand on mouth.

Khot. 06. c. Terra-cotta monkey; naturalistic type; upper part; left hand on right side of face.

Khot. 06. d, e. Terra-cotta heads of monkeys. (*d*) owl type with broad pig-tail. (*e*) similar but no pig-tail.

Khot. 06. f, g. Terra-cotta monkeys. (*f*) owl type; upper part; hands clasped in front of face. (*g*) naturalistic type; upper part; same pose as (*f*).

Khot. 06. h. Terra-cotta hoopoo; body pierced for suspension.

Khot. 06. i. Terra-cotta head of hoopoo with long beak and crest.

Khot. 06. j. Terra-cotta miniature vessel; oval body; handle and spout in form of bird's head and neck with wings.

Khot. 06. k. Terra-cotta fragment; left knee of seated Buddha.

Tam. 001. b. Terra-cotta grotesque monkey's head; naturalistic type; with cap.

Yo. 001. a-e, g, h, k-n, p, q, s, v. Terra-cotta appliqué masks from vessels; cast from moulds; faces grotesquely human; a certain amount of tooling done after casts were taken from the mould, such as opening the nostrils and indenting the corners of the mouth.

Yo. 002. a-n. Terra-cotta pairs of monkeys embracing; nude; female sometimes has pig-tail.

Yo. 003. b, c, e-l, o-q. Terra-cotta grotesque monkeys. (*b*) owl type; left arm and legs missing (*c*) owl type, squatting with syrinx to mouth. (*e*) owl type, squat-

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ting; wears loin-cloth; under left arm, drum, which he strikes with right hand. (*f*) owl type; arms and legs missing. (*g*) owl type; right hand on breast, left raised to back of head; legs lost. (*g. 1*) right hand on breast, left arm outstretched; left forearm and all below waist missing. (*h*) larger size; legs only. (*i*) naturalistic type; right arm lost; left raised to mouth. (*i. j*) left hand on stomach; head, right arm and right leg below knee missing. (*k*) naturalistic type; wears cap, collar or cape and coat; both arms lost. (*l*) squatting and playing sitar; loin-cloth. (*o*) miniature; knees drawn up to chest; ithyphallic; right arm raised to side of head, left arm and both legs lost; pierced vertically for suspension. (*p*) miniature, naturalistic type; squatting on heels, hands on knees. (*q*) miniature, naturalistic type; squatting on heels, hands on knees; water-skin on back.

Yo. 003. o. 1. Terra-cotta grotesque monkey, naturalistic type; seated astride phallus; *cf.* Yo. 0050.

Yo. 004. a. Terra-cotta fragment of grotesque monkey; large; seated on circular lotus base; moulded in two halves and split away at junction.

Yo. 005. a. Terra-cotta grotesque figure, with human face having pointed beard and moustache; right arm extended and bent, left broken away; all below breast missing.

Yo. 005. b. Terra-cotta fragment of grotesque monkey, upper part.

Yo. 006. a, b. Terra-cotta fragments of grotesque monkeys. (*a*) naturalistic type; bust. (*b*) head with pig-tail and large ears.

Yo. 007. a, b, d, e. Terra-cotta monkey heads. (*a*) eyes formed by impressed circles. (*b*) eyes formed by impressed circle and dot; collar round neck; face well modelled with apish grin. (*d*) eyes and moustache incised. (*e*) mask only; features indicated by impressions and incisions.

Yo. 008. a, b, e. Terra-cotta camels. (*a*) hind legs and hump missing; traces of rider or load behind fore-hump. (*b*) Bactrian camel; forelegs missing. (*e*) head only.

Yo. 009. b. Terra-cotta fragment of male face; all above left lower eyelid and right of nose, lost; large rope-like moustache; edge of gorget (?) shown by rows of dots.

Yo. 009. c. 1, 2. Terra-cotta male heads. (*c. 1*) mask; straight moustache and small beard; thick mass of hair on either side of bald forehead; eyes in relief, slanting. (*c. 2*) eyes long and narrow; hair cut in straight fringe; small moustache.

Yo. 009. c. 4. Terra-cotta head and trunk of male figure; eyes prominent; moustache and imperial; round neck a strap from which hangs a knife (?)

Yo. 009. d. 3-7. Terra-cotta female heads; hair brushed straight up from forehead with central parting; elaborate comb consisting of decorated front bar with pendants at each end and a cushion behind; hair arranged elaborately about bar and cushion. Faces full and round; eyes long and narrow; mouths small and with upturned corners. (*d. 3*) from behind pompadour rises pig-tail which falls over cushion and is met by long pig-tail rising from nape; side hair looped over ears. (*d. 4*) incised eyes, slit mouth with punctured corners. (*d. 5*) pig-tail and back of head missing. (*d. 6*) head and bust; pig-tail

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missing; elaborate ear-rings; strip of fur round neck, tied at back. (*d. 7*) body to waist; narrow belt over right shoulder and diagonally across body.

Yo. 009. e, e. i. Terra-cotta female heads. (*e*) hair in fringe, square top-knot; pig-tail looped up to crown; f. Yo. 009. h. (*e. i*) most of hair and back of head missing.

Yo. 009. f. Terra-cotta female head; *cf.* Yo. 009. d. 3-7.; coiffure broken; back of head missing; prominent curls on cheeks.

Yo. 009. g. Terra-cotta grotesque monkey head; moustaches, conical cap with short tail hanging from apex.

Yo. 009. h, h. 1-4, 4. a, b, 6-9, 11, 12. Terra-cotta female heads of three or four sizes; appliqué parts variously added and this combined with tooling after casts have left mould, permits of considerable variation. (*h*) hair in short pointed fringe; from centre of head it rises vertically in a plait and is thrown backwards over a cushion. (*h. 1*) top-knot bound by broad braid of hair above circlet of jewels; main plait breaks into three parts at back of head, one broad, two narrow. (*h. 2*) eyes very prominent; side locks almost reach corners of mouth. (*h. 3*) eyebrows and vertical mark on forehead incised; top-knot missing. (*h. 4, 4. a, b*) eyebrows ridged, eyes incised; top-knots missing. (*h. 6*) eyebrows and eyelids incised, pupils punctured; jewelled circlet and jewels on top-knot. (*h. 7*) eyebrows scored, eyes ring-punched; straight fringe; bead circlet, top-knot and looped-up pig-tail. (*h. 8*) eyes incised; pointed fringe; jewelled circlet. (*h. 9*) eyelids and eyebrows ridged; bead circlet round top-knot; hair brushed back from behind ears to nape of neck. (*h. 11*) eyes prominent, round head, jewelled chaplet with tassels falling over ears; hair falls in broad flat mass behind; traces of necklace. (*h. 12*) eyes closed.

Yo. 0010. b. Terra-cotta fragment of monkey lying as baby in cradle; lower part, lost.

Yo. 0011. Terra-cotta appliqué mask of frowning demon; lips are drawn back showing teeth; incised circles for eyes.

Yo. 0012. d, e, h-k. Terra-cotta appliqué lion masks; heads surrounded by hair. (*d*) high relief, prominent muzzle. (*e*) flat relief; large moustache, prominent eyes. (*h*) poor work. (*i*) high relief; well modelled. (*k*) very poor work.

Yo. 0013. a, b. Terra-cotta fragments of nude female figures. (*a*) lower part, with left hand placed as in classical pudica type. (*b*) torso, anatomical details roughly indicated: belly prominent.

Yo. 0014. a, b. Terra-cotta miniature amphoræ. (*b*) fragment of replica of (*a*).

Yo. 0015. a. Terra-cotta fragment of camel (?) and rider.

Yo 0015. b, c, e. Terra-cotta fragments of horses. (*b*) fore part with rider (one leg only) in baggy breeches and shoes; most of right side split away. (*c*) head and neck (left side). (*e*) head, harness shown by incised lines.

Yo. 0015. f, h-l. Terra-cotta fragments of handles of vessels in form of grotesque beast; cast in two halves joined and attached to vessel by fore-legs above and hind-legs below; two main types: (*a*) ram-like head, short, round ears, no horns, short curly mane.

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(*b*) head similar but with horse's mane rising to pointed tuft between ears. On fore quarters pointed wings lying close to body. (*f*) type (*b*), head only. (*f. i*) type (*b*), hind quarters only; legs in one mass, tail against flank, short and hairy. (*h, k*) type (*b*), left side of heads. (*l*) type (*a*), left hand side; legs broken off.

Yo. 0016. a, c, e, f. Terra-cotta miniature birds. (*a*) hoopoo, wings closed. (*c*) wings raised above back, outspread tail; pierced for suspension. (*e*) similar to (*c*). (*f*) head only with upright round-topped crest; hoopoo or peacock.

Yo. 0017. a, b. Terra-cotta heads of grotesque beasts; similar to Yo. 0015. f. etc.; type (*a*).

Yo. 0017. c. Terra-cotta fragment of horse; right hand cast of neck, with upright mane and incised rein on side.

Yo. 0017. d. Terra-cotta fragment of head and throat of gryphon; tuft of hair at corner of mouth; curved beak-like muzzle.

Yo. 0018. a, b. Terra-cotta appliqué Gandharvī figures from vase.

Yo. 0021. Terra-cotta fragment of neck of vase with nude female figure playing guitar and dancing; *cf.* Yo. 0059.

Yo. 0022. Terra-cotta fragment of vase with wreath appliqué.

Yo. 0023. a. 2, 3. Terra-cotta fragments of ox-head spouts.

Yo. 0023. b. Terra-cota fragment of handle of vessel in form of nondescript animal; appliqué anthemion at base.

Yo. 0024. b-h, k-m, o, p. Terra-cotta appliqué masks from vases; grotesque human faces; *cf.* Yo. 001. (*m*) covering junction of lower end of handle and so showing the position in which some of these were applied.

Yo. 0025. e-g. Terra-cotta appliqué lion's head masks surrounded by formal curls.

Yo. 0028. b. Terra-cotta fragment of human head.

Yo. 0028. c. Terra-cotta head of monkey in cradle.

Yo. 0030. c. Terra-cotta fragment of head of peacock, bird has ears whence hung tassels and string collar with stud behind.

Yo. 0030. e-i. Terra-cotta fragments of handles of vases; *cf.* Yo. 0015. f. etc. (*e*) type (*a*), fore part only. (*f*) type (*a*), hind quarters missing. (*g*) type (*a*), head only; very good work. (*h*) type (*b*), head only. (*i*) type (*a*), head only.

Yo. 0030. k. Terra-cotta fragment of head of horse; reins, etc., incised.

Yo. 0031. c. Terra-cotta grotesque monkey; owl type, insquatting on heels; hands together in supplication; wears loin-cloth; right leg missing.

Yo. 0031. e. Terra-cotta grotesque monkey; naturalistic type; hands clasped; legs stretched behind in attitude of swimming on skin; pierced for suspension.

Yo. 0031. f. Terra-cotta grotesque monkey; owl type; seated, hands clasped; legs lost.

Yo. 0033. b. Terra-cotta grotesque monkey; owl type, holds syrinx to lips; all below hips, lost.

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Yo. 0034. a, b. Terra-cotta grotesque monkeys; left hand on mouth; right arm swung slightly forward.

Yo. 0035. a-l, n, q-v, x-z. Terra-cotta fragments of grotesque monkeys; bodies generally in squatting attitude. (*a*) owl type with loin-cloth; ithyphallic. (*b*) owl type, with loin-cloth. (*c*) head missing; hands on knees; loin-cloth. (*d*) naturalistic type; miniature; knees drawn up under chin; pierced for suspension. (*e*) naturalistic type. (*f*) head with long moustache, imperial and pointed cap. (*g*) human face with incised moustache, imperial and eyebrows; wears cap. (*h*) naturalistic type; head only. (*i*) naturalistic type; head and part of trunk. (*j*) owl type; head turned. (*k*) head with long ass-like ears and sharply pointed skull. (*l*) naturalistic type; legs spread at right angles. (*n*) naturalistic miniature; arms and all below hips missing. (*q*) naturalistic type. (*r*) naturalistic type; head. (*s*) head. (*t*) naturalistic type; head. (*u*) front cast; naturalistic type; holds oval object beneath chin. (*v*) head with pig-tail. (*x*) head. (*y*) head. (*z*) owl type; short pig-tail hanging forward over brow; arms and all below hips missing.

Yo. 0036. Terra-cotta head of cat.

Yo. 0037. a. Terra-cotta torso of figure wearing loin-cloth; arms outstretched but broken near shoulders; legs gone; traces of water-skin on back.

Yo. 0037. b, c. Terra-cotta fragments of grotesque monkeys. (*b*) head, right arm and legs missing; round object in lap. (*c*) human type; front cast of head.

Yo. 0038. a-c. Terra-cotta grotesque monkeys as baby in cradle. (*a*) lower part lost. (*b*) owl type. (*c*) head only.

Yo. 0038. d. Terra-cotta fragment of monkey as baby wrapped and bound in two transverse bands.

Yo. 0039. a, e. Terra-cotta birds; hoopoo. (*a*) pierced for suspension. (*e*) head only.

Yo. 0039. c. Terra-cotta miniature amphora.

Yo. 0039. g. Terra-cotta fragment; six short spokes at right angles, four lost; others have two notches near their ends.

Yo. 0039. h. Terra-cotta fragment of handle in form of beast (bear ?)

Yo. 0039. l. Terra-cotta fragment of vessel, with relief showing worship of Buddha's alms-bowl; incised lotus flower in Egyptian style.

Yo. 0041. b. Terra-cotta head of female; *see* Yo. 009. h., etc.

Yo. 0041. f, i, l. Terra-cotta female heads; *see* Yo. 009. d. 3-7. (*f*) pompadour; comb missing; pig-tail supported by cushion. (*i*) rosette before top-knot, end of pig-tail with bow. (*l*) small figure with upright coiffure; breasts bare; lower part missing.

Yo. 0041. k. Terra-cotta male head and bust, with straight moustache and hair upright over forehead.

Yo. 0041. n. Terra-cotta fragment of human head, cast from mould; Indian type diadem on head; snake seen in front with head in relief: figure is perhaps a Nāga divinity.

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Yo. 0042. a. Terra-cotta fragment of neck of vase with appliqué relief of Gandharvī.

Yo. 0042. b. Terra-cotta fragment of appliqué male figure wearing diadem.

Yo. 0043. c. Terra-cotta appliqué lion mask.

Yo. 0043. e. Terra-cotta appliqué lioness's mask.

Yo. 0043. f. Terra-cotta fragment of appliqué lion mask from base of handle of vessel; half palmette curves out from one side, the other side broken away.

Yo. 0044. b, d-f. Terra-cotta appliqué masks from vessels; grotesque human faces; *see* Yo. 001.

Yo. 0045. a. Terra-cotta horse and rider; horse heavily proportioned; legs missing; rider, one leg and seat only remain.

Yo. 0045. b. Terra-cotta handle; *see* Yo. 0015. f., type (*b*); head, neck and forelegs missing; hind quarters decorated with whorl rosette and crescent fur markings.

Yo. 0045. f, g. Terra-cotta fragments of left side casts of horse's head and neck.

Yo. 0046. b. Terra-cotta female monkey; nude, seated on ground; legs, short stumps; left arm lost; breasts prominent; pudendum emphasized.

Yo. 0047. b. Terra-cotta monkey; naturalistic type, playing sitar; arm and all below hips lost.

Yo. 0048. a-f. Terra-cotta pairs of embracing monkeys.

Yo. 0049. a. Terra-cotta camel with two bales bound by broad strap between humps.

Yo. 0049. c. Terra-cotta fragment of camel.

Yo. 0050. Terra-cotta monkey; naturalistic type, astride large phallus.

Yo. 0051. a. Terra-cotta monkey; right arm raised, hand on left side of face.

Yo. 0052. a-d, g-p. Terra-cotta fragments of grotesque monkeys. (*a*) naturalistic type; parts lost. (*b*) owl type; hands clasped before breast; lower part lost. (*c*) naturalistic type; head only. (*d*) owl type, left arm outstretched but broken; right arm and both legs lost. (*g*) head, wearing helmet or hat with high narrow crest. (*h*) seated, with knees drawn up; left hand at left temple; right, on right thigh. (*i*) naturalistic type; parts missing. (*k*) naturalistic type; crude; head and part of trunk only. (*n*) naturalistic type; head and bust. (*m*) naturalistic type; crude; seated, legs apart. (*n*) naturalistic type. (*o*) front cast of head and right shoulder; on forehead, remains of tiara. (*p*) naturalistic type; arms and legs lost.

Yo. 0053. Terra-cotta miniature water-skin; front sewn up; neck tied round plug or stopper.

Yo. 0054. a, b. Terra-cotta heads of birds. (*a*) peacock. (*b*) hoopoo.

Yo. 0055. b-h. Terra-cotta fragments of vessels. (*b*) ornamented with fruit on stalk, appliqué, and impressed circles. (*c*) jug; small model with horizontal burnishing; neck and handle lost. (*d*) pot, small bulb-shaped body. (*e*) fragment, slate grey, ornamented with raised mouldings. (*f*) fragment. (*g*) fragment covered outside with thin white slip (?). (*h*) fragment.

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Yo. 0056. Terra-cotta fragment of vessel in shape of squatting human figure; only knees remain with edges of drapery; between knees, object protrudes.

Yo. 0059. Terra-cotta neck of vase with band of appliqué figures below band of circle-and-dot ornament. (1) elephant supporting two kneeling figures on lotuses. (2) bird on bunch of grapes. (3) standing figure in long robe playing on a musical instrument. (4) human figure riding on horned (?) beast. (5) lost, except head. (6) repeat of (4).

Yo. 0062. Terra-cotta grotesque head of monkey, playing guitar; bird body.

Yo. 0069. Terra-cotta miniature jug with long beak-like spout, single handle and thumb-rest.

Yo. 0070. Terra-cotta grotesque monkey, appliqué group; monkey, head only shows, carries on his shoulder, female monkey wearing trousers, who carries young monkey on left arm and grotesque bird on right; female head very good.

Yo. 0071. Terra-cotta figure of yak bearing load of faggots; crude.

Yo. 0072. Terra-cotta fragment of winged gryphon handle, broken across wing and forelegs.

Yo. 0074. Terra-cotta fragment of bird, breast and wing.

Yo. 0075. Terra-cotta head of horse.

Yo. 0076. Terra-cotta appliqué head and breast of human figure wearing turban and necklace.

Yo. 0077. Terra-cotta fragment of handle in form of monster's head.

Yo. 0078. Terra-cotta fragment, moulded.

Yo. 0079. a, b. Terra-cotta appliqué lion mask.

Yo. 0084. Terra-cotta head and bust of monkey; eyes, circle-and-dot; hair dressed female fashion.

Yo. 00177. Pottery jug; neck lost and broken edge cut smooth; mark of base of single handle on shoulder and at opposite side, remains of appliqué ornament.

Yo. 00179, 00180, 00187, 00191. Terra-cotta fragments of grotesque monkeys. 00179, squatting; parts lost. 00180, naturalistic type, sitting with knees drawn up; fine modelling. 00187, as 00191, parts missing. 00191, owl type; squatting on heels with hands clasped in front; loin-cloth.

Yo. 00183. Terra-cotta fragment, perhaps foot of cradle.

Yo. 00186. Terra-cotta appliqué double-leaf ornament.

Yo. 00188. Terra-cotta miniature jug; neck and spout missing.

Yo. 00189. Terra-cotta appliqué monkey head; naturalistic features; holes for eyes.

Yo. 00190. Terra-cotta monkey head, owl type.

Yo. 00192. Terra-cotta fragment of right knee of kneeling woman.

Yo. 01. Terra-cotta bottle, shaped like pilgrim bottle, each side decorated with fully open lotus occupying the whole surface and grotesque human head in centre, appliqué.

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Yo. 01. b, 06. b, c. Terra-cotta grotesque monkeys. (01. *b*), naturalistic type, playing sitār; all below hips missing. (06. *b*), owl type, squatting on heels, left hand on mouth. (06. *c*), naturalistic type, seated; left leg and arms missing.

Yo. 02. Vase, circular, short neck; sand encrusted.

Yo. 03. Vase, circular, roughly made; buff, browned by firing.

Yo. 04. Terra-cotta fragment of neck and handle of vessel, decorated with impressed rings and dots; incised lines; on side of neck appliqué rosettes with broad wedge-shaped mass hanging from centre.

Yo. 05. Terra-cotta fragment of neck of vessel, decorated with impressed circle-and-dot ornament, incised lines and an appliqué rosette between a pair of leaves.

Yo. 06. Terra-cotta fragment of side of vessel; appliqué figure of corpulent man squatting with knees wide apart and feet together resting on encircling raised moulding; both hands on breast holding down narrow band of drapery (?) which flows right and left over arms; dress otherwise consists of loin-cloth, ankle boots and bangles.

Yo. 06. h. Clay spindle whorl with incised ornament.

Yo. 07. Terra-cotta fragment of figure, human (?) with pointed basket hanging from right shoulder; or tail-less Apsara with right arm coming from under wing.

Yo. 08. Terra-cotta fragment of neck of vessel with Bacchic figure appliqué, seated on ground with left foot planted, lower leg vertical; right leg missing; right hand grasps mouth of wine skin; left hand upraised with rhyton towards which face is turned upwards; pose recalls Atlas figures from Gandhāra.

Yo. 09. Terra-cotta vessel; ovoid body tapering upwards; hole in top surrounded by incised whorl of petals pointing downwards; beneath this a band of cross-hatching; at one side, below cross-hatching, the scars of some two-lobed attachment; in centre of one lobe, a hole which may have been a spout.

Yo. 010. Fragment of handle of vessel, almost straight, with appliqué grotesque mask at base; to left, part of appliqué anthemion.

Yo. 011-014. Terra-cotta fragments of handles of vessels, being acanthus palmettes from base attachment.

Yo. 011. c, d. Terra-cotta camels. (*c*) with traces of rider between humps. (*d*) hind legs and humps missing.

Yo. 015. Terra-cotta fragment of handle; elliptical in section, with raised rib on outer side springing from root of palmette below.

Yo. 016. Terra-cotta fragment of handle; upper part in form of grotesque beast crudely indicated.

Yo. 017. Terra-cotta fragment of spout with appliqué human face mask at base.

Yo. 018, 019. Terra-cotta fragments from wall of vessels. 018 shows appliqué gorgoneion face almost complete. 019 shows upper part of similar ornament and just above, the lower end of long-leaved palmette.

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Yo. 020. a-d. Terra-cotta fragments of appliqué decoration, showing progressive modification. (*a*) a broad leaf with tip rolled over upwards. (*b*) shows rolled tip only, but still growing from wall of vessel, with midrib developed. (*c*) a further departure from the parent form. (*d*) tip only, made as a separate piece and applied in rows to form a continuous band of ornament.

Yo. 021. a-c. Terra-cotta leaf-tip appliqué decoration. (*a*) shows incised lines at sides—a survival of leaf outline of Yo. 020. a.

Yo. 022-030. Terra-cotta fragments of wall of vessels with decorative treatment. 022 shows leaf-tip ornament and below a band of elliptical jewels, appliqué. 023, raised mouldings, rosettes and elliptical jewels. 024, raised notched rib and circular rosettes. 025, appliqué rosettes and incised festoon. 026, appliqué rosette and incised annular lines. 027, notched rib and traces of appliqué rosette. 028, appliqué rosette. 029, appliqué jewel ornament. 030, notched ribs and circular appliqué rosettes between and incised festoon below.

Yo. 031. Terra-cotta fragment of neck of vessel decorated with incised annular lines and a circular appliqué rosette from the centre of which spills a cascade of seeds (pearls).

Yo. 032. Terra-cotta fragment of shoulder of vessel with appliqué palmettes hanging from small raised moulding.

Yo. 033-035. Terra-cotta fragments of vessels. 033, with notched rib above, incised lines below and chevron basket-pattern between; traces of incised festoon below. 034 incised ornament and appliqué rosette. 035, appliqué palmette.

Yo. 036. Terra-cotta fragment of domical lid (?) or small bowl. Whorl of long narrow petals, a punched dot in centre of each petal-end and circle of dots at origin of petals.

Yo. 037. Terra-cotta fragment of similar object to preceding; larger scale.

Yo. 038-041. Terra-cotta fragments of vessels. 038, neck and rim; raised cable rib and row of upright palmettes above; below traces of appliqué rosettes. 039, neck, raised rib with herring-bone notching. 040, shoulder; incised annular lines with petal ornament above and lozenge diaper below; grotesque head of rat type with reeded scroll curling up and outward from behind. 041, neck; ribbed inside; outside, crude bull's head in bold relief.

Yo. 042. Terra-cotta appliqué mask of grotesque human face; left hand under chin holding double cord or fold of drapery.

Yo. 043. Terra-cotta appliqué mask as preceding, modified by freehand modelling after casting.

Yo. 044. Terra-cotta appliqué beast-head on fragment of vessel; lion head of gargoyle type with communicating holes punched at corners of mouth, perhaps for cord.

Yo. 045. Terra-cotta appliqué mask; lion head.

Yo. 046. Fragment, coarse, gritty, red; appliqué disc ornament.

Yo. 047. Terra-cotta foot of vessel with band of punched rings.

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Yo. 048. Terra-cotta fragment of male head; mouth, chin and tip of nose, part of left cheek and ear with ear-ring of incised circles; cable-like moustache, short beard.

Yo. 049. Terra-cotta fragment of male face; right half, from tip of nose to neck; rope-like moustache and fringe of beard and whiskers.

Yo. 050. Terra-cotta relief female head; lower lip drawn in and puckered as though from grip of teeth; hair in form of low coronet with small loops under ears.

Yo. 051. Terra-cotta relief head, Chinese type; male.

Yo. 052. a-o. Terra-cotta appliqué masks from vessels; grotesque human with parted hair, ring-and-dot punched eyes, short triangular nose, wide thick-lipped mouth and retreating chin; there are slight variations; *cf.* Yo. 0024.

Yo. 053. a-d. Terra-cotta female heads; similar to Yo. 009. h., with variations.

Yo. 054. Terra-cotta female head and bust similar to Yo. 009. d, with variations.

Yo. 055, 056. Terra-cotta appliqué masks; grotesque satyr face; long wedge-shape beard.

Yo. 057. Terra-cotta appliqué mask; Neptune-like crowned and bearded head; *see* also Badr. 0330.

Yo. 058. a-j. Terra-cotta appliqué masks; lion head framed in curly mane; frowning; ring-and-dot punched eyes; prominent snout; heavy drooping moustache and down-drawn mouth; with variations.

Yo. 059. a-c. Terra-cotta appliqué masks; small lion heads like the preceding but crudely made.

Yo. 060. Terra-cotta appliqué lion-head mask; a variation of type Yo. 058; smaller and more minutely modelled.

Yo. 061. Terra-cotta fragment of female figure; front half only; head, shoulders and arms lost; dress, a plain jacket or tunic and pleated skirt; the jacket is bordered round bottom edge and down middle of front with incised hatching; on breast, two narrow pendent objects, perhaps ends of collar.

Yo. 062. Terra-cotta fragment of grotesque squatting monkey; right knee and adjacent parts only preserved; knee covered with pleated drapery as in Yo. 061; on inner side remains half of grotesque face, filling centre of space between the two knees when figure was complete; the mouth of this face acted as spout; for similar fragment *see* Yo. 0056.

Yo. 063. Terra-cotta fragment of bowl or other small vessel, ornamented with incised dashes; above, a band of counterchanged triangle each having midrib with short incised leaves; over this, a small knob.

Yo. 064. Terra-cotta fragment of squatting figure, heels and back.

Yo. 065-075. Terra-cotta fragments of Bactrian camels; 065 (presented by Sir George Macartney at Kashgar). Naturalistic group of camel and monkey rider; monkey sits leaning forward in life-like pose, right hand on breast; head of camel lost. 066, standing camel; fore and hind legs respectively joined in solid mass; edge of saddle-cloth indi-

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cated by punched rings; oblong cushion between humps. 067, camel and rider; right leg only of rider with portion of hump in front and fragment of hand on it; leg has pleated trouser with knee-band. 068, camel with load; head and hind legs lost. 069, miniature camel and rider; legs of rider only; hind legs of camel lost. 070, miniature camel or horse and rider; head of animal and upper part of rider lost. 071, camel; head, neck and front hump. 072, camel with monkey rider; foreleg, shoulder and part of front hump only. 073, camel; left shoulder, lower end of neck and mane, part of front hump and load only; left side cast. 074, camel; right side only; traces of load between humps. 075, camel; hind leg and hump; right side only.

Yo. 076. Terra-cotta fragment of horse and rider; cast in halves and joined; remains of scored saddle-cloth and incised harness; head and neck and lower part of legs of horse lost; rider wears long trousers and short jacket with border of incised dashes.

Yo. 077, 078. Terra-cotta fragments of horses. 077, right side only; feet and end of nose lost; hogged mane, ring-punched eye, saddle-cloth, crupper, collar and head-stall. 078, head and neck bridled; hogged mane, parted forelock; *cf.* Yo. 0030 k.

Yo. 079, 080, 082. Terra-cotta fragments of handles from vessels. 079, hind part of winged horse as Yo. 088. a.; whirling rosettes on haunches. 080, similar to preceding; pierced as though for spout and small hole on under surface. 082, exactly like 079 but smaller.

Yo. 081. Terra-cotta fragment of dragon head; eye a raised circular knob with punched ring-and-dot; hair framing face and backward-lying ear; lower jaw shown; mouth open; left side only.

Yo. 083. Terra-cotta fragment of dragon head probably from handle; *cf.* Yo. 079; right side only; for left side *see* Badr. 0325.

Yo. 084. Terra-cotta spout in form of grotesque head of ox or deer; tubular, tapering muzzle; eyes, raised discs, punch marked.

Yo. 085. Terra-cotta spout in form of ram's head and neck; tubular muzzle; ring punched eye; large ears and out-curling horns.

Yo. 086. a-f. Terra-cotta fragments of handles in form of grotesque sheep's head.

Yo. 087. a-d. Terra-cotta fragments of handles like preceding but castings from half mould only.

Yo. 088. a-d. Terra-cotta fragments of handles in form of winged horse; short hogged mane; forelock rising into blunt horn on forehead.

Yo. 089. a, b. Terra-cotta fragments of handles like preceding but half casts only.

Yo. 090. Terra-cotta horse-head; *see* also Badr. 0370.

Yo. 091, 092. Terra-cotta grotesque horse-heads as in Yo. 088 but larger and more stylized; mane and horn-like forelock the same; long hair along jaw emphasized; face more griffin-like, with indentation under brow and curving pointed muzzle approximating to a beak. 092, like the preceding but more bird-like; fine modelling.

Yo. 093. Terra-cotta gavial head, probably from handle.

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Yo. 094. Terra-cotta camel head and part of neck.

Yo. 095. Terra-cotta sheep head; left side only.

Yo. 096. Terra-cotta beast head; grotesque lion type with human nose, wide grinning beast-mouth showing row of teeth and eyes with long drooping corners and small ring-punched pupils set under overhanging brows.

Yo. 097, 098. Terra-cotta grotesque animals' heads, glazed green. 097, deer head; horns broken off short. 098, with long prominent nose and bulging eyes.

Yo. 099. Terra-cotta parrot head and neck; beak gaping.

Yo. 0100. Terra-cotta ball, probably grotesque female torso.

Yo. 0101. Terra-cotta fragment of vessel, semi-cylindrical; outside crudely worked in form of monster head stretched out flat from neck to shoulder.

Yo. 0102. Terra-cotta model of water-skin.

Yo. 0103. Terra-cotta bird, left side only, showing folded wing.

Yo. 0104-0108, 0110-0116. Terra-cotta fragments of grotesque monkeys. 0104, head only. 0105, head only. 0106, legs; kneeling; left hand grasps cylindrical object. 0107, head and shoulders; head turned over right shoulder; alert expression. 0108, upper half; head leaning forward with out-thrust jaw; round shoulders, arms outstretched but broken. 0110, female, squatting with knees apart. 0111, monkey or human seated in European fashion; mass of long hair (?) down back. 0112, grotesque type; standing with feet apart and holding flat oblong object before body; loin-cloth. 0113, upper half; very badly made; body a mere inverted cone. 0114, seated with legs apart (?) but both arms and legs missing; impudent expression. 0115, seated (?), legs gone; head looking up; very rudely made. 0116, squatting on heels.

Yo. 0109. Terra-cotta grotesque figure, squatting, arms lost; head, male, bald; big moustache, well developed breasts and abdomen.

Yo. 0117. Terra-cotta group; bird astride long-necked bird (?) whose head and tail are lost and whose legs form kind of pedestal; legs and ends of wings only of riding bird preserved.

Yo. 0118. Terra-cotta monkey as baby in cradle.

Yo. 0119. a-g. Terra-cotta grotesque monkey heads.

Yo. 0120, 0121. Terra-cotta grotesque monkeys. 0120, legs apart, broken off at knees; arms and face gone. 0121, seated on horizontal bar playing sitār; loin-cloth.

Yo. 0122. a-c. Terra-cotta fragments of squatting monkeys playing sitārs.

Yo. 0123. a-m. Terra-cotta fragments of monkeys, mostly torsos only but (*a*) and (*b*) and (*c*) have heads. (*g*) has plait of hair down back. (*i*) and (*j*) hands meeting on breast.

Yo. 0124. Terra-cotta hoopoo; beak, wings and legs lost; drilled vertically through body.

Yo. 0125. Terra-cotta fragment of appliqué rosette.

Yo. 0126. Terra-cotta disc; on one side incised star.

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Yo. 0127. Terra-cotta fragment of elephant's face.

Yo. 0128. Terra-cotta fragment of coiffure, being high top loop of hair.

Yo. 0129. Terra-cotta fragment of female figure; right shoulder and breast, with cincture under arms and lines of drapery from shoulder downwards.

Yo. 0130. Terra-cotta fragment of octagonal facetted jewel.

Yo. 0131. Terra-cotta fragment of model railing; square panels between ball-headed posts.

Yo. 0132. Terra-cotta fragment of vessel with relief ornament.

Yo. 0133. Terra-cotta relief of seated Buddha, in meditation; head lost.

Yo. 0134. Terra-cotta relief of seated Buddha, in meditation; legs only remain, crossed at ankles; hands in lap.

Yo. 0135. Terra-cotta fragment of head and halo of Buddha; slanting eyes.

Yo. 0136. Terra-cotta relief head of Buddha like preceding.

Yo. 0137. a-e. Terra-cotta fragments of five votive plaques from same mould; pear-shaped, showing Buddha seated in meditation on lotus; flame border to halo.

Yo. 0138. a-h. Terra-cotta spinning whorls, dome-shaped; variously ornamented.

Yo. 0158. Large jug with globular body and loop handle; three appliqué heads of grotesque human type put on by later hand; horse-head on top of handle, also later.

Glass.

Badr. 097-099. Glass, green. 097 and 099, fragments of rods. 098, flat.

Badr. 0122-0128. Beads; ring-shaped; blue, green or dark grey.

Badr. 0131, 0208. Miscellaneous fragments of stone, shell and glass; mostly beads.

Badr. 0143. Bead, flattened spheroid; honey-colour.

Badr. 0188. Fragment covered with opaque patina, partly verdegris colour.

Badr. 0196. Glass jewel, blue, in bronze ring; *see* under Metal.

Badr. 0212. Bead; large spheroid cut in twelve facets; opaque lapis lazuli blue.

Badr. 0252. Bead; glass; flattened spheroid; dark red-brown with yellow markings.

Badr. 0261. a, b. Beads, spherical. (*a*) black glass. (*b*) fragment, glass, translucent blue.

Badr. 0275. Bead; glass; elongated spheroid; black with band of white.

Badr. 0395. Bead; glass; amalaka shape; green-grey.

Badr. 0398. Bead; glass; cylindrical; grey spotted with cobalt over white.

Badr. 0399. Bead; glass; dark wine colour, translucent, studded with cobalt blue spots on white surrounded by alternate opaque white and translucent grey-green rings. The rings are formed by the visible edges of alternate white and grey-green saucer-shaped laminæ placed one in the other and pressed into the body; the blue centre is applied last and is in relief.

Badr. 0402. Seal; glass; device: an ear of corn with narrow, pointed leaf; rectangular; translucent light ruby.

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Badr. 0416. Beads, two glass, blue and straw colour; one shell.

Kh. 022. Glass fragments.

Kh. 023, 024. Glass seals. 023 in bronze ring; device: Athene (?) 024, no device, only depression.

Kh. 025. Glass and shell beads on string.

Kh. 026. Glass, shell and agate beads on string.

Kh. 027. Glass and stone beads; one dark grey with blue spots.

Kh. 028. Blended buff and brown frits giving marbled effect throughout substance of fabric; coated with extremely thin glaze.

Kh. 029, 032, 033, 034, 035, 037, 038, 071-074, 076-086, 088, 089-097, 098, 0189, 0193, 0260. Glass beads. 029, hexagonal prism, pale green. 032, fragment, dark green with yellow bands. 033, fragment, dark grey with white pattern. 034, fragment, dark grey with applied spots. 035, fragment, dark blue boss surrounded by light grey; detached from surface of bead. 037, fragment, millefiori type, blue and white. 038, dark grey with translucent blue sports over white. 038, dark grey with translucent blue spots over white. 071, opaque buff with translucent yellow-green rods pressed into surface. 072, four-sided tubular, dark yellow. 073, polygonal, yellowish. 074, black with white lines. 076-081, drum-shaped and spherical, dark blue, green and yellow. 082, barrel-shaped, black with wavy white line. 083, minute, tubular; opaque brown. 084-086, drum-shaped, blue. 088, drum-shaped, dark. 089-097, cubical, ring, drum-shaped, etc. 098, pale buff, opaque with remains of millefiori pattern in translucent blue and white. 0189, fragments of glass. 0193, spherical and ring, black, grey, yellow, green and turquoise. 0260, millefiori.

Kh. 030. Glass handle of vessel; pale green.

Kh. 070. Glass cabochon jewel; sky-blue.

Khot. 0021. Bead, glass; opaque black inlaid with white lines.

Khot. 0044. Bead, glass; half; honey colour.

Khot. 0060. Pendant in form of round bar flattened towards end; broken where hole was pierced at round end; black.

Khot. 0069. Glass bead, black with white lines.

Khot. 0070. Glass bead, black with yellow lines.

Khot. 0073. Glass, stone and nacre beads on string; five cornelian, one black opaque glass with blue lines; two pink-white stone; one bright blue glass; one black glass, irridescent; one white glass, irridescent; two nacre discs; two white stone; two malachite; four turquoise; three pearls.

Yo. 00109. a, b. Glass intaglios. (*a*) animal kneeling; surface perished. (*b*) deer with branching antlers, walking.

Yo. 00115, 00171, 00175, 00197. Glass beads. 00115, polychrome bugle bead with zigzag white line round. 00171, fragment dark blue 00175, hexagonal cut. 00197, long hexagonal; opaque green and yellow in wavy stripes.

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Yo. 00116, 00153. Glass. 00116, disc, green; blue-green irridescence. 00153, fragment, blown; translucent green flashed with dark red on concave side.

Yo. 06. 1. Glass, cylindrical, ribbed pendant, white; hole for suspension through head.

Yo. 0143. Glass beads; sixty-three; spherical, drum-shaped, bugle, etc.

Yo. 0144. Glass beads; forty-six; mostly drum-shaped; blue and green.

Yo. 0145. Glass beads; sixteen; mostly drum-shaped and ring; blue and green.

Metal.

Badr. 074. Bronze ring; half.

Badr. 0100. Bronze spinning whorl.

Badr. 0101-0103. Bronze wire fragments.

Badr. 0104. Bronze belt catch.

Badr. 0105. Bronze fragment.

Badr. 0106. Bronze ring; fragment.

Badr. 0107. Bronze slag.

Badr. 0108. Bronze tag for belt, with rivets; shield-shaped.

Badr. 0109. Bronze buckle ring and catch for strap.

Badr. 0110. Bronze boss; circular; top in form of rosette.

Badr. 0111. Bronze buckle ring and attachments; ring mostly round; attachments a shield-shaped plate with double loop passing round tongue-bar of ring to back-plates; single rivet joining front and back plates; remains of head of iron tongue between loops of plate.

Badr. 0112, 0113. Bronze spoon-handle in two pieces; flat, wedge-shaped with incised ornament of lines and circles.

Badr. 0114. Bronze bowl of spoon, pear-shaped.

Badr. 0115-0116. Bronze pick-axes; fragments of two; probably ceremonial objects.

Badr. 0117. Bronze button; round with flat, raised centre; part of loop at back.

Badr. 0118. Bronze plate; fragment.

Badr. 0119. Bronze bar with square block in centre showing small depression on two opposite sides; one end of bar club-shaped; the other ends in small hollow hemisphere; *cf.* Badr. 0401 and 0417.

Badr. 0120. Bronze stud with thick disc-shaped head, hollow and filled at back with lead; simple device on front.

Badr. 0121. Bronze seal; flat, square with shank at back; device: a four-legged beats (dragon) with uplifted head.

Badr. 0165. Bronze disc; traces of intaglio device on one side.

Badr. 0166. Bronze slag.

Badr. 0167. Bronze stud, shield-shaped head; hollow at back.

Badr. 0168. Bronze strap-end from buckle attachment.

Badr. 0169. Bronze wire.

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Badr. 0191. Iron button with silver-inlay design (*koftgari*) on flat circular face.

Badr. 0192. Bronze seal; oblong; device at bottom: a circular rosette divided into eight segments; above, two vertical divisions side by side in one of which is a line of Chinese lapidary characters, in the other, scroll ornament. Seal has been broken and soldered together again.

Badr. 0193. Bronze seal; rectangular; device: striding demon or warrior in long robe carrying spear. Below, horizontal vajra (?)

Badr. 0194. Bronze seal; rectangular, with three characters (?)

Badr. 0195. Bronze seal; heart-shaped; device: trefoil anthemion.

Badr. 0196. Bronze ring fragment, with blue glass jewel in claw-setting.

Badr. 0210. Bronze (?) ball, hollow, with large hole pierced through.

Badr. 0213-0221. Bronze fragments of some vessel (?)

Badr. 0222. Bronze spinning whorl; echinus-shaped.

Badr. 0223. Bronze strap attachment, rectangular, with rivets.

Badr. 0224. Bronze finger ring, with cup-bezel for jewel.

Badr. 0237. Lead bar, round, tapering slightly at both ends; one end flattened and drilled.

Badr. 0253, 0254, 0274, 0411, 0412, 0413. Bronze seals. 0253, square, with linear design or Chinese characters; badly corroded. 0254, elliptical, with part of curving leaf device: long shank, drilled. 0274, square; device: two-handled vase from which issue two trails of foliage. 0411, square; device: two heart-shaped palmettes with their points at diagonally opposite corners of square; intended for ink. 0412, octagonal; device: obscure. 0413, square; device: obscure.

Badr. 0256, 0272. Bronze plate fragments. 0256, thin, slightly corroded. 0272, slightly curved, with incised lines on convex side.

Badr. 0257. Bronze tag made of a strip of plate, doubled, with iron rivet through ends.

Badr. 0258. Bronze loop, lyre-shaped, thickened at middle of base, from which a knob projects; open ends slit to take flat bar forming a gate which was hinged by a rivet and pierced at other end for a moveable pin.

Badr. 0259. Bronze rod, curved, round in section, moulded into spiral.

Badr. 0260, 0403. Bronze fragments. 0260, two small pieces, one of wire. 0403, mass of pieces of coins, ornaments, spoon, wire nails, etc.

Badr. 0273. Bronze fragment of mirror with scalloped edge; border ornament, rosettes and leaves in relief, in two zones; centre missing.

Badr. 0277. Bronze ring; probably Chinese coin.

Badr. 0396, 0424. Lead coin-like discs pierced with long hole; on one side are raised Chinese lapidary characters (?)

Badr. 0397. Bronze bead formed of two cup-shaped seven-petalled flowers, made of wire, twisted cable-wise and joined mouth to mouth.

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Badr. 0400. Bronze fragment of ornament, D-shaped ring, outer surface scalloped.

Badr. 0401. Bronze bar with minute cup-shaped bowl at one end; broken away at one end; *cf.* Badr. 0119, 0417.

Badr. 0415. Bronze fragment of bracket; thickened at centre.

Badr. 0417. Bronze bar fragment, round in section, slightly tapering; near thicker end, further thickened to form rectangular block; in centre of each of two opposite faces is a small depression; perhaps beam of fine balance, the depressions being for points of fulcrum; *cf.* Badr. 0119, 0401.

Badr. 0420. Bronze miniature wine jug of quasi-classic form; solid; intended as an ornament or charm.

Badr. 0421. Bronze bezel of finger ring intended to be engraved as a seal.

Badr. 0423. Bronze fragment of finger ring.

Badr. 0425. Bronze pendant; ear-ring (?).

Jiya 007. Bronze seal, square; device: swastika and maze.

Kh. 03, 04. Bronze seals (presented by Mr. Moldovack). 03, triangular with cinquefoil device. 04, in form of two birds confronting, the heads fused into one with beak pointing each way.

Kh. 023. Bronze finger ring with elliptical glass seal (*see* also under Glass.)

Kh. 0192. Iron fragments.

Kh. 0194. Gold, silver, iron, etc., small scraps.

Kh. 0196. Silver ornament; fragment; round a short tube, nine minute grains soldered to tube and to each other.

Kh. 0197. Lead sheet, rod, foil, etc., scraps.

Kh. 0198. Copper wire, scraps.

Kh. 0200, 0201, 0243. Bronze and copper scraps.

Kh. 0244. Bronze ornament fragment.

Kh. 0245. Brass; tongue of buckle.

Kh. 0246, 0247, 0248. Bronze fragments. 0246, two pieces of ring. 0247, tag. 0248, cube, each face divided into four squares by grooves; probably a weight.

Kh. 0249, 0250. Bronze spinning whorls, echinus-shaped.

Kh. 0251. Lead globular pellet showing mould ribs.

Kh. 0256. Bronze "grelot" bell; ring broken.

Kh. 0265. Bronze ornament; hollow, filled with spelter; almond-shaped pendant, square loop at upper end; traces of gilding.

Kh. 0266. Antimony (?) irregular lump.

Khot. 009. Bronze Buddha head, solid.

Khot. 0018. Bronze plate; triangular; hole near each corner.

Khot. 0019. Bronze disc with remains of stud.

Khot. 0020, 0025, 0041. Bronze fragments of ornaments. 0020, half of diamond shape with cells for inlay, probably flower design. 0025, finial with six-petalled flower

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at centre with shaft rising above and continued below, ending in round tang. 0041, obscure.

Khot. 0024. Lead ring.

Khot. 0038, 0039. Bronze studs. 0038, nail-like; head only. 0039 circular head with two stems.

Khot. 0040. Bronze, dome-shaped with four legs or stems on rectangular base; perhaps large button.

Khot. 0046. Bronze spoon, bowl and part of handle.

Khot. 0047, 0048. Bronze arrow-heads; triangular cross-section. 0047 with stump of iron tang. 0048 as Khot. 01. u.

Khot. 0049. Bronze fragment.

Khot. 0051, 0052, 0053. Bronze rings.

Khot. 0054. Bronze seal; Chinese characters; illegible.

Khot. 0057. Lead cast of two pear-shaped fruits (?) with stalk.

Khot. 01. u. Iron arrow-head; three barbs, concave sides.

Khot. 01. v. Bronze seal; round; antlered deer.

Khot. 01. w. Bronze ornament; flat; raised lines radiating from centre.

Khot. 01. x. Lead; rectangular lump, with covering of bronze.

Khot. 01. a. a. Bronze fragment; rim of mirror with raised pattern of interlacing arches between two bands.

Khot. 02. d. Bronze button; octagonal; four-petalled flower: perhaps a seal.

Khot. 02. e. Bronze seal; octagonal; cruciform flower.

Khot. 02. g. Bronze; like washer; ring with cruciform arms.

Khot. 02. j. Bronze lump.

Khot. 02. l, m. Bronze fragments of ornaments. (*l*) much corroded; design obscured. (*m*) form of five-fold plume; stud through centre.

Khot. 02. n. Bronze stud with circular head.

Khot. 06. n, o, q. Bronze seals. (*n*) round; device: a lozenge in outline and four dots. (*o*) a single Chinese character; obscured. (*q*) pear-shaped with "shoulders"; a trefoil within double border; probably for use with ink.

Tam. 001-004. Clay moulds for casting bronze. 001, 002, device: deer lying down. 003, 004, button.

Yo. 0091. b. Bronze stud, cast, with three iron rivets at back; cartouche shape.

Yo. 00105. Lead hoopoo perched on ovoid fruits.

Yo. 00107. Bronze ornament as Yo. 0091. b.

Yo. 00122. Lead pendant ornament in open-work.

Yo. 00127. a-o. Gold fragments. (*a*) solid ball with ring. (*b*) claw setting for jewel. (*c*, *d*) two discs with loops. (*e*) circular piece of foil. (*f*) another. (*g*) strip of foil edged with granulated wire and with small ring in centre. (*h*) granulated wire,

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(*j*) strip of foil bent into hook. (*k*) half a hollow bead. (*l*) gold foil. (*m*, *n*, *o*) rough pieces.

Yo. 00129. Bronze miniature jug; neck, beak and handle only.

Yo. 00130. Lead pellet.

Yo. 00139. Lead camel with two humps.

Yo. 00142, 00144. Bronze seals. 00142, D-shaped; S-shaped device. 00144, round; tiger (?) with fore-paws raised and head thrown back over shoulder.

Yo. 00147, 00149, 00164. Bronze fragments of ornaments. 00147, pair of bracts supporting foiled arch with relief design (obscure) under arch; traces of gilding. 00149, three fragments stuck together; perhaps ends of pendants. 00164, lotus bud.

Yo. 00148. Bronze; side of buckle.

Yo. 00161. Bronze fragment similar to preceding.

Yo. 00170. Iron button, round.

Yo. 00176. Bronze pendant; crescent-shaped, formed by two-headed bird motif.

Yo. 00199. Lead seal; square; horned animal, standing.

Yo. 00200. Lead rosette, pierced through centre.

Yo. 05. a. Bronze Buddha, seated, with pointed halo.

Yo. 010. e. Bronze signet ring bezel and part of hoop; warrior in mailed trousers (?) helmet and stole.

Yo. 0139. Bronze ring with device of seated griffin.

Yo. 0140. Bronze fragment of bangle; snake-head end with body formed of four wires twisted cable-wise.

Yo. 0141. Iron mouthpiece of vessel (?)

Yo. 0149. Iron pyrites; eight fragments.

Yo. 0150. Lead or antimony oxide.

Yo. 0151. Bronze and lead fragments.

Yo. 0152. Ore; fragments.

Yo. 0156. Bronze disc; fragments.

Yo. 0157. Bronze fragments, miscellaneous.

Stone; seals.

Badr. 001, 002. 001, cornelian intaglio, elliptical, flat; device: female bust, hair rolled. 002, garnet intaglio, elliptical, plano-convex; device: male head, beardless; Alexander type.

Badr. 0129. Cornelian intaglio, circular, flat; device: antlered deer, standing.

Badr. 0140. Stone, yellowish-white, pyramidal; hole through apex; device cut on base: fret.

Badr. 0145. Lignite intaglio, square, flat; device: long-legged beast, standing; crude; on other face, device unintelligible; hole for cord.

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Badr. 0235. Soapstone intaglio, square, tall pyramidal; device on base: swastika with one limb double; hole for cord.

Badr. 0414. Jade, white, disc; uncut.

Kh. 06. Cornelian intaglio, circular disc with convex sides, a section cut off at one side and on the flat surface of section the device: a fire altar.

Kh. 019. Marble, yellow, in form of rectangular shrine with pyramidal top; device on bottom surface: an animal with long recurved tail; crude.

Khot. 004. c. Cornelian intaglio, elliptical, flat; device: recumbent porcupine.

Khot. 0042, 0043, 0058, 0059, 0065, 0075, 0076, 0042, soapstone, yellow, four-sided, pyramidal; device on base: swastika of St. Andrew's cross type. 0043, stone, flat, oblong; device: hoopoo in outline. 0058, soapstone, grey, four-sided; device on base: a diagonal groove with grooves branching from it. 0059, stone (half only) device, indistinguishable. 0065, cornelian, elliptical, uncut; half only. 0075, cornelian intaglio; elliptical, flat; device: head as Khot. 04. h. 0076, cornelian intaglio, elliptical, flat; device: bust similar to Khot. 04. h., but grotesque; drill work obvious; hair treated in long locks radiating from crown of head and ending in round curls.

Khot. 0080-0082, 0086, 0087, 0095, 0096. 0080, garnet intaglio, elliptical, plano-convex; lower half; device: female bust, drapery over shoulders; fine work, highly polished. 0081, agate intaglio, elliptical, flat; device: lion walking. 0082, banded chalcedony intaglio, elliptical, flat; device: lion standing. 0086, cornelian intaglio, elliptical, flat; device: lion galloping; poor work. 0087, garnet intaglio, round, plano-convex; device: head and fore-part of wolf with open jaws, galloping. 0095, banded chalcedony, elliptical, flat; device: lion walking. 0096, banded chalcedony, elliptical, flat; device: head of animal with prominent ears.

Khot. 04. h, l, m. (*h*) garnet intaglio, elliptical; device: female bust, hair parted in middle and bunched at back; *cf.* Khot. 0075. (*l*) garnet intaglio, circular, plano-convex; lower part only; device: centre stem and pair of out-curling leaves. (*m*) garnet intaglio, rhomboidal; device: bird with one wing above and other below.

Khot. 06. p. Stone, pyramidal, oblong; device: linear design, obscure.

Khot. 06. s. Lignite, square; device: floriate swastika.

Yo. 0094. Ruby intaglio, one side elliptical, one straight; convex; vase on column, two doves on rim, one drinking.

Yo. 0096. a, b, c. (*a*) garnet intaglio, elliptical, plano-convex; bust wearing cuirass, shoulder pieces and large round helmet with brim and long drooping plume; probably Roman work. (*b*) garnet intaglio, elliptical, plano-convex; animal advancing—dog or gryphon; winged. (*c*) garnet, elliptical plano-convex; device: male figure to front, draped, arm extended and bent at elbow; grotesque.

Yo. 0098. Cornelian intaglio, elliptical, flat; device: wild boar running; spirited work.

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Yo. 00100. Cornelian intaglio, elliptical, flat; device: animal standing; long tail, pricked ears, long straight horn and wing of Oriental type.

Yo. 00117. a. b. (*a*) banded chalcedony intaglio, circular, flat; device: humped ox walking. (*b*) garnet intaglio; circular, plano-convex; device: uncertain. From a crescent base rises a short circular stem with three upright projections inside; behind a nail-shaped object.

Yo. 00151, 00205. 00151, onyx intaglio, elliptical; device: tiger or cheetah advancing. 00205, garnet intaglio, round, convex; device: a hare or rabbit.

Yo. 00207. Steatite, intaglio, oval; device: a gryphon in flight (?).

Yo. 010. c, d. (*c*) cornelian intaglio, elliptical, flat; device: unintelligible; half missing. (*d*) garnet intaglio, rhomboidal flat; device: a bird standing with slightly raised wings.

Yo. 012. b, c, d. (*c*) garnet intaglio, circular, convex; device: winged Victory wearing wreath, advances with outstretched arms towards trophy (?) of helmet, cuirass and greaves; *cf.* Roman coins of IVth century. (*c*) garnet intaglio, convex: device: fore-part of animal feeding in field; half missing. (*d*) banded chalcedony, flat; device: single-humped camel kneeling, head reverted.

Yo. 0148. Jade (?) circular, flat, uncut.

Stone; miscellaneous.

Badr. 073. Agate, white; bead.

Badr. 0130. Talcite, fragment; (bead ?).

Badr. 0132. Stone, black and green marbled; basin-shaped object with short foot.

Badr. 0134. Jade, white, pendant in form of monkey (?) sitting on haunches, body erect, head sunk on breast, forepaws under chin and tail over right shoulder; hole for suspension through shoulders.

Badr. 0135, 0136, 0139. Stone whorls. 0135, 0136, black, echinus-shaped. 0139 mottled grey pebble.

Badr. 0141. Jade (?) white; splinter.

Badr. 0142. Jade (?) pale green, tapering rod.

Badr. 0144. Stone, black, very hard; oblong slab; three groups of holes, drilled slanting in pairs, each pair communicating, for passage of cord or wire.

Badr. 0146. Stone, black; pendant, trapezium-shaped; edges bevelled; pierced for suspension.

Badr. 0170-0185. Agate fragments.

Badr. 0186, 0187. Crystal fragments.

Badr. 0197. Steatite monkey; naturalistic type, seated with hands between knees, chin on hands; drilled vertically.

Badr. 0204. Jade, white; long flame-shaped; drilled at base.

Badr. 0205. Jade (?) white; ring.

Badr. 0206. Crystal bead; fragment.

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Badr. 0207. Cornelian beads, two; spheroid and ring-shaped.

Badr. 0209. Cornelian bead, barrel-shaped.

Badr. 0211. Garnets or rubies, two; one pear-shaped, the other conical.

Badr. 0250. Stone, black and grey marbled; bead, cut with fourteen facets; pierced with three holes.

Badr. 0251. Stone, black; pendant, lozenge-shaped; suspension hole at one corner.

Badr. 0379, 0392, 0393. Stone spinning whorls. 0379, greyish-green marbled with black. 0392, greenish-white, jadeite (?). 0393, dark greenish-grey, marbled.

Badr. 0394. Steatite charm; roughly vine-leaf-shaped with suspension hole.

Badr. 0418, 0419. Steatite fragments.

Badr. 0422. Malachite (?) fragment of bead.

Jiya. 004. Stone charm; phallic.

Jiya. 006. Sardonyx, conical; pierced laterally.

Kh. 07. Cornelian bead with quartrefoil pattern etched on each square facet by heat process.

Kh. 018. Marble, grey; figure of horseman, hands raised to chest; off-foreleg of horse broken; crude.

Kh. 020. Steatite relief; Buddha in *dhyāni-mudrā* seated on straight *padmāsana*; oblong vesica.

Kh. 022. Jade, flint, agate and cornelian fragments.

Kh. 026. Agate beads (on string with other materials).

Kh. 027. Stone, grey; bead, barrel-shaped (with beads of other materials).

Kh. 031. Agate bead; barrel-shaped, with geometrical pattern by heat process; *cf.* Kh. 07.

Kh. 036. Graphite; polygonal stick.

Kh. 039. Stone, dark grey; figure of squatting monkey, hands at breast.

Kh. 075, 087. 075, cornelian bead; spheroid. 087, stone (?) black, ring-shaped bead.

Kh. 0189. Stone fragments (with other materials).

Kh. 0261. Stone, white with pale blue markings; irregular wedge-shaped.

Kh. 0262. Stone, dark grey; charm in form of duck.

Kh. 0263. Stone bead.

Kh. 0264. Garnet (?) fragment of bead.

Khot. 0056. Steatite fragment; flat, diamond-shaped, pierced at centre.

Khot. 0061, 0062. Jade rings, fragments.

Khot. 0063. Agate ring, fragment.

Khot. 0064. Cornelian ring, fragment.

Khot. 0066. Cornelian bead; hexagonal, pierced half through; traces of gold in depression at top.

Khot. 0067. Cornelian, fragment.

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Khot. 0071. Cornelian bead, half.

Khot. 0073. Cornelian beads, five; stone, pink and white, two: malachite, two; turquoise, four (on string with glass etc. beads).

Khot. 02. q. Cornelian bead, fragment, with bands of white and dots applied by heat process.

Khot. 04. g. Steatite bar.

Yo. 0082. Steatite fragment of miniature stupa.

Yo. 0088. Stone, light brown; triangular, flat.

Yo. 00110. Stone like preceding; irregular shape.

Yo. 00113. Jade fragment of rectangular buckle (?) with simple linear engraved ornament; at each back corner, two holes bored slant-wise to meet without reaching front surface, forming a passage for thread to fix buckle to belt.

Yo. 00126. b. Agate bead, lentoid.

Yo. 00133. Jade style; octagonal section.

Yo. 00135. Stone, dark grey; spinning whorl with incised ornament.

Yo. 00138. Soapstone relief; half tympanum of arch; subject; grotesque figure wearing cap (or long hair), stole, *dhōti* (?) and anklets; advances with bent knee, holding vase; to left, a palm tree; at bottom corner, a palm-leaf capital supporting lintel which has a line of chevron ornament; this ornament was continued round curve of tympanum.

Yo. 00140. Steatite strip of ornament.

Yo. 00152. Jade buckle-end.

Yo. 00154. Cornelian bead; spheroid.

Yo. 00156. Steatite, black; small square slab; hole at end.

Yo. 00157. Steatite, black; small square slab; edges bevelled.

Yo. 00158. Steatite, light; oblong slab; one edge bevelled.

Yo. 00167. Steatite, grey; fragment; back half of bird showing folded wings and upright tail.

Yo. 00168. Slate, grey; convex, with decorated band in relief and raised band with groove.

Yo. 00172. Stone, round, flat; with traces of colour.

Yo. 00193. Sandstone, fragment.

Yo. 00196. Jade, green; triangular pyramid.

Yo. 00198. Lapis lazuli lump.

Yo. 00209. Garnet (?) cut into trefoil.

Yo. 05. b, c. (*b*) soapstone figure seated cross-legged, left elbow in right hand, left hand supporting head. (*c*) soapstone bar, dumb-bell shaped.

Yo. 06. a, f, k. (*a*) jade monkey kneeling, arms extended as if praying. (*f*) jade, green, model vase. (*k*) steatite bead, flattened spheroid.

Yo. 06. d. Crystal, hexagonal.

Yo. 0142. Turquoise, oblong piece with band of Greek fret incised on both sides.

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Yo. 0147. Stone discs; five, polished.

Yo. 0151. Cornelian and lapis lazuli fragments.

Yo. 0153. Stone, yellow; fragment showing natural marking.

Yo. 0154, 0155. Lignite charms (?) in form of seated lion, head drawn back, back hunched; hole pierced through body of each.

Wood.

Badr. 069. Fragment of carved plaque (stated to be from Khādalik); probably vesica from statuette; border of creeping flame at top; below, part of circular halo with jewelled border; jewels separated by groups of leaves or stalks with cinctures; field covered with waving flames against which, on centre line, two lozenge-shaped jewels one above the other; good work.

Badr. 075. Panel, painted; *obverse*: Buddha in black robe with yellow spots, seated in meditation on red *padmāsana*; oval halo; *reverse*: traces of similar figure in white.

Badr. 0203. Finial or halo from statuette (stated to be from Toghrak-mazār); disc-shaped, with V-radiations from plain centre.

Har. 029. Fragment of carved panel; subject: Bodhisattva or Buddha seated in *dharmacakra-mudrā* on *padmāsana* resting on a high altar-like pedestal covered by a cloth of lozenge diaper pattern with fringed edges; figure wears jewelled ornaments and has high *uṣṇīṣa*: to left, a standing figure, draped from waist downwards; coronet on head; right hand raised; left holds *amṛta* vessel. Above, parts of canopies. Below, a band of rosettes and a canopy belonging to a second scene, lost; Gandhāra style.

Har. 030. Fragment of carved halo covered with a lotus scroll forming regular elliptical spaces in each of which is a seated Buddha.

Har. 032. Panel; subject: a standing mail-clad figure holding staff in right hand; left hand in front of belt; interesting costume.

Har. 033. Panel; subject: seated Buddha with symbolic devices on all limbs.

Har. 036. Panel; subject: two seated figures looking at each other; left, Buddha type in red robe; right is either nude or clad in skin-tight garment and has symbolic devices on body and limbs. At neck, a necklet but not encircling neck; double circles on shoulders, left breast forearms and lower legs; on upper arms a *pōthī*; on right breast a double triangle: to right, on red ground, part of a standing figure in long red and green robes banded with pearls, (For a good example of symbolic devices on the body *see* Wall Painting Har. D., in Room III, Case E., Central Asian Antiquities Museum, New Delhi).

Har. 037. Fragment of panel painted on both sides; subject: *obverse*: standing Avaloketésvara holding *amṛta* flask in left hand; badly defaced and left side broken away; *reverse*: head of Bodhisattva only visible.

Har. 038. Fragment of panel; subject: seated Buddha, hands in lap partly burnt.

Har. 039. Panel, traces of paint.

Har. 040. Fragment of panel; subject: right half of standing Bodhisattva in close-fitting red robe and green stole.

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Har. 041. Fragment of panel painted on both sides; subject: *obverse*: standing Buddha in *abhaya-mudrā*, in red robe; brown under-robe; hair, blue; *reverse*: traces of drawing of seated Buddha; right edge split away.

Har. 042. Panel; subject: standing Avaloketésvara (?) lotus in right hand; long-necked ovoid flask (*amṛta*) in left, hanging down; hair, long, with floral *mukuṭa*; bodice with ornaments on upper arms; skirt, tight-fitting, pink, with three-spot pattern; narrow dark green stole; traces of Brāhmi script under painting; *cf.* Har. 037.

Har. 043. Fragment of panel; subject: all-over pattern of rosettes; colour perished.

Har. 044. Panel; subject: seated Buddha in black robe (?); badly defaced.

Har. 045. Fragment of panel; subject: left half of seated Buddha, hands in lap; red-brown robe; pink vesica, blue nimbus.

Har. 046. Panel; painted on both sides; subject: *obverse*: two seated figures, one above the other; upper on green seat; robe, dark maroon with red sleeves and borders; boots, black; head missing; lower, tunic red with green hem, green stole and maroon under-robe; coronet on head; face missing. *Reverse*: a similar scheme but defaced.

Har. 050. Panel; subject: seated Gaṇeśa; trefoil crown; massive gold carcanet; red lion-cloth and stole; right hand holds white cup (?); left in lap holding radish (?); spot pattern on face.

Kasim 001. Fragment of lathe-turned bowl.

Kh. 05. Charred fragment on one side of which is a rudely cut human face in low relief; (possibly modern).

Stucco.

Badr. 023-026. Heads of Buddha from one mould. 026 with part of halo; burnt.

Badr. 027. Head of Buddha (as Bal. 061, 068); remains of white and black paint; white plaster.

Badr. 030. Face fragment; nose with parts of cheeks and mouth; traces of paint; burnt.

Badr. 032. Rosette resting on pair of voluted leaves; as A. T. i. 0012; burnt.

Badr. 038-040. Simple lozenges; traces of paint; burnt.

Badr. 041. Rosette fragment with pierced centre; traces of paint; burnt.

Badr. 042. Strip roughly pinched into shape; burnt.

Badr. 043. Stalk of flower ornament, expanding into two lobes at lower end.

Badr. 044-052. Meandering band of zigzag; fragments, burnt.

Badr. 053. From apex of triangle carrying crescent; bead border; traces of paint; burnt.

Badr. 054-055. Straight band with bead border and circular jewels; grey; burnt.

Badr. 056. Rosette fragment, with seeds cascading from centre; traces of paint; burnt.

Badr. 057. Rosette; quatrefoil, with raised centre; remains of paint; burnt.

Badr. 058. End of lotus petal, two-lobed; burnt.

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Badr. 059. Fleur-de-lis head from floral ornament; burnt.

Badr. 060, 061. Hair in two bands of reversed crescents; burnt.

Badr. 062. Human left ear, tip broken off; painted; burnt.

Badr. 063, 064. Hair. 063, conical spiral. 064, "snail-shell" curl; remains of paint; burnt.

Badr. 065. Fingers, first and second, of left hand; burnt.

Badr. 067, 068. Seated Buddha plaques as Badr. 034, 035; lower part only; grey; traces of paint; burnt.

Badr. 071. Acanthus foliage fragment; hard plaster; burnt.

Badr. 0225. Fragment, white, burnt, hard.

Badr. 0226. Fragment with scrolled leaves and cincture, white; burnt hard.

Badr. 0227. Hand, fragment; white, burnt hard.

Badr. 0228. Foliage ornament similar to Badr. 0226.

Badr. 0229. Hair, flat spiral, white, burnt hard.

Badr. 0230. Long curving leaf with serrated edges; white; burnt hard and blackened.

Badr. 0233. Mould for single flat spiral curl as Badr. 0229; burnt hard and blackened.

Badr. 0234. Flat spiral curl as from 0233 but smaller; grey; burnt.

Badr. 0248. Fragment from halo; plain field, inner lotus-wreath border and outer border of creeping flame; burnt and discoloured.

Badr. 0278-0281. Hands, portions of four; probably from Buddha figures; remains of paint.

Badr. 0282. Hand, right, with fingers closed on palm and thumb resting on fore-finger; grey, burnt.

Badr. 0283-0285. Faces, fragments of three; pinkish clay with remains of paint. 0283, male; nose, mouth and right cheek; moustache, appliqué. 0284, nose, upper lip and part of right cheek. 0285, end of nose with mouth and chin.

Badr. 0286. Head of Buddha; *uṣnīṣa* and ears lost; pinkish clay.

Badr. 0287. Head of Bodhisattva; pinkish clay.

Badr. 0288-0296. Plaques with seated Buddhas; fragments.

Badr. 0299. Human face; fragment; lower lip, chin and under surface.

Badr. 0301. Railing; three uprights joined by two hexagonal rails and plain rail running along top and bottom; half-lotus rosette at junctions of posts and rails.

Badr. 0304. Necklace or garland of alternate strings of pearls and plain fillets twisted cable-wise; half round section; burnt.

Badr. 0305. Crescent ornament; burnt.

Badr. 0306. Jewelled ornament of Byzantine type; a round boss surrounded by four radiating pear-shaped leaves with smaller bosses between; with borders of pearl and plain mouldings; *cf.* A. T. iv. 0032, 0034.

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Badr. 0307. Rather like preceding but smaller and five-petalled rosette in place of central boss and punched circles instead of bosses between leaves.

Badr. 0308. Drapery fragment; burnt.

Badr. 0309-0311. Human ear fragments.

Badr. 0312-0315. Flames curled in flat spirals, probably from border of vesica; burnt.

Badr. 0316. Crescent ornament on top of bead-bordered triangle.

Badr. 0317. Head, breast, right shoulder and upper arm of Buddha; burnt.

Badr. 0318. Plaque with seated Buddha; fragment showing two lotus petals, bent right lower leg and pendent left foot; burnt.

Badr. 0321. Fragment suggesting furry ear of animal.

Badr. 0339. Buddha, seated; fragment showing right leg and left foot lying upon it; burnt.

Badr. 0340. Gandharvī kneeling on one knee with hands in pose of adoration; head, hands and left leg lost.

Badr. 0343. Upper half of left ear.

Badr. 0345. Ornamental band fragment: double row of beads and single elliptical jewels and rosettes; burnt hard.

Badr. 0346. Buddha, standing; fragment, waist to ankles; white, burnt hard and discoloured.

Badr. 0347. Gandharvī, floating, holding garland; white plaster.

Badr. 0348, 0349, 0355. Heads of floating Gandharvīs with traces of black, red and blue paint; white plaster.

Badr. 0350-0354. Buddha heads from different moulds, with traces of paint; white plaster.

Badr. 0356. Buddha, standing with right hand in *abhaya-mudrā*; head lost; white plaster, burnt.

Badr. 0357. Buddha, standing with left hand at side holding fold of robe, similar to preceding; lower part.

Badr. 0359, 0381, 0382. Plaque fragments, with seated Buddha as Badr. 034, 035. 0359, headless figure only. 0381, 0382, greater part preserved; burnt.

Har. 01. Male head with half-closed eyes; corners of mouth deeply indented; on forehead part of wreath of leaves; traces of paint; burnt.

Har. 04, 018. Two fragments of standing Buddha figures from halo of some larger figure similar to K. S. 002., etc., both without feet or base. 04, has flame at each shoulder; traces of paint.

Har. 06. Human head, well modelled; of Indian type; treatment of hair Hellenistic.

Har. 07. Elephant head and shoulders, trunk curled to left; face, flat with human eyes and jewel between them; ears in cloth-like folds; shoulders, human; broken away below pectorals; burnt.

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Har. 08. Fragment of floating Gandharvī similar to Bal. 076; legs and forearms missing; traces of paint, burnt.

Har. 09. Fragment of Gandharvī rising from lotus, similar to Bal. 050; lotus and hands missing; traces of paint; burnt.

Har. 010-012. Three heads of Buddha; different sizes; part of nimbus behind each; nose rather broad in all; traces of paint; burnt.

Har. 013, 014. Fragment of seated Buddhas similar to A. T. iv. 0017; halo missing; burnt.

Har. 019, 024. Fragment of seated Buddha figures similar to Bal. 066. 019, has wrong head recently stuck on (probably by local "treasure seeker"); left knee and foot missing. 024, head of same type; burnt.

Har. 020. Fragment of Buddha seated on lotus against plain circular halo; burnt.

Har. 022. Yak in profile; long hair makes formal fringe from head to tail; tail curled forward on quarter; horns and one hind foot lost; burnt.

Kh. 02. Hand, left, with long slender outstretched fingers, with long nails; index finger broken, thumb missing; burnt.

Kh. 0267. Buddha head over life-size; light buff clay. (Presented by Mr. K. Moldovack).

Kohmari 01-06. Fragments of relievo ornament.

Tam. 005. Band of twisted pearl and fillet ornament; *cf.* Badr. 0304.

Yo. 0065. a, c-e, g. Railing or parapet; square panels between posts; panels with sunk square in outline, drab clay.

Yo. 0130. Architectural ornament; octagonal facetted jewel resting on top of volutes.

Textile.

Har. 075. Fragment of soft felt sewn into form of oblong pouch.

Miscellaneous.

Badr. 0249. Horn spoon with incised linear patterns on bowl and handle.

Badr. 0410. String, knotted in form of rosary.

B. D. 001. b. Bone or ivory seal, bell-shaped; device: grotesque lion with upraised tail, in outline; above a Tibetan inscription, read by Dr. Barnett as *rgya k'ril bzang* (abundant heap good).

Kh. 08. Bone duck, miniature, with hole for suspension.

Kh. 0252-0255. Lumps of shell, pierced as for beads.

Kh. 0257. Shell disc.

Kh. 0258. Oblong object formed from animal's tooth.

Kh. 0259. Ivory charm.

Yo. 00101. b. Nacre, diamond-shaped with incised circle and dots in centre.

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Yo. 00150. Bone seal, square; device: four spirals radiating from centre; half missing.

Yo. 00204. Bone disc with intaglio design; *obverse*: hornet within bead border; *reverse*: vague lines within similar border.

Yo. 00208. Bone fragment, curved, with row of triangles and dots in intaglio on convex side.

Yo. 0146. Shell beads of various sizes; twenty-two.

OBJECTS FOUND AT NAGHĀRA-KHĀNA (Nagh.)

Pottery.

Nagh. 001, 002, 003, 004. Fragments of vessels. 001, hand-made, coarse, red. 002, smooth inner and outer surfaces: fine, red. 003, from base of hand-made vessel; coarse, reddish. 004, terra-cotta.

OBJECTS FROM CHALMA-KAZĀN (Chal.)

Pottery.

Chal. 0038-0041, 0063-0066. Terra-cotta appliqué fragments of "Buddhist rail" composed of square panels with sunk centres between ball-headed posts.

Chal. 0042. Terra-cotta head of Bodhisattva (?); hair parted in centre and waved back falling on to shoulders; also gathered in top-knot tied with fillet; nose and halo missing.

Chal. 0043. Terra-cotta appliqué stylized lion's head.

Chal. 0054. Terra-cotta fragment of appliqué ornament, pear-shaped.

Chal. 0067. Terra-cotta relief fragment; palm leaf and obscure designs.

Metal.

Chal. 017. Bronze vase; small, cast; oval body, trumpet mouth; grotesque t'ao-t'ieh head on each shoulder as handle; on sides, in oval panels, a Chinese dragon plunging down from clouds into waves, in low relief; fine design.

Stone.

Chal. 0069, 0070. Stone rings. 0069, steatite (?); heart-shaped; probably from buckle. 0070, circular; light brown.

Stucco.

NOTE.—*Most of these have been accidently burnt.*

Chal. 004, 005, 008-0021. Standing Buddha fragments; stands on lotus base, right hand raised in *abhaya-mudrā*, left hand holding fold of robe at side; usual long robe; circular nimbus with lotus-petal border; remains of colour: red, green and blue. 004,

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hips to ankles; red on robe. 005, trunk from breast to knees; green on robe. 008, shoulders with right hand. 009, right shoulder and hand; grey-blue on robe. 0010, right hand and arm. 0011, feet on lotus. 0012, head with part of nimbus, to right, with traces of green. 0013, head and part of nimbus. 0014-0017, heads. 0018, head and part of neck. 0019-0021, heads.

Chal. 0022-0024. Heads like preceding but smaller.

Chal. 0026. Head of Buddha with plain nimbus with flame-work outside.

Chal. 0028. Buddha head with nimbus; red on nimbus, traces of gold on face.

Chal. 0030. Fragment of wreath of pointed lotus petals and cross band of beads.

Chal. 0031. Fragment of square bordered by grooves and beads outside.

Chal. 0032. Like preceding but larger.

Chal. 0034, 0035. Fragments of octagonal jewel.

Chal. 0047, 0049. Fragments of clay figures. 0047, left hand clenched; wooden core, perished. 0049, right hand, clenched; wooden core; perished.

Chal. 0050. Fragment from flame border of vesica.

Chal. 0052. Like preceding but different mould; clay with fibre and reed core.

Chal. 0060, 0061. Fragments of *padmāsana* (?); outer row of petals overlapped by smaller ones; clay and fibre; burnt.

Chal. 0062. Fragment of wreath of beads.

Chal. 01-04. Fragments of border composed of imbricated lotus petals bound at intervals by cinctures; traces of blue; white plaster.

Chal. 05. Fragment of draped Buddha, head lost; right hand in *abhaya-mudrā*; white plaster burnt hard.

Chal. 06. a-d. Buddha heads; white plaster, burnt.

Chal. 07. a, b. Nimbate Gandharvī (?) heads; white plaster, burnt.

Chal. 08, 09, 015. Fragments of lotus-petal borders of halos; curved petals spring from row of pearls; white plaster, burnt.

Chal. 010. Buddha seated in *dhyāna-mudrā*; legs lost; traces of red on robe, white on flesh and black on hair; white hard plaster.

Chal. 011. Buddha head.

Chal. 012. Lower part of seated Buddha, right leg lost.

Chal. 013. Nude body of male figure; head, right arm and all below hips lost; left forearm doubled against upper arm; girdle below waist.

Chal. 014. Three spiral curls of hair from colossal figure, white plaster.

Chal. 016. Fragment of slab with incised chevron and dog-tooth edge; grey plaster; hard.

OBJECTS FOUND AT SITE SOUTH-EAST OF KARA-SAI (K. S., Kara-sai, K. Sai)

Pottery.

Kara-sai 07. Terra-cotta grotesque mask; appliqué; as Yo. 052.

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Stucco.

K. S. 002, 003. a, c, 0023, 0027. Buddha figures from same mould; standing in *abhaya-mudrā*, on lotus; in usual robes; bare feet; nimbus with lotus-wreath border; points of flame at shoulders; hair, stippled; porcelain-like plaster. 002, feet and lotus missing. 003. *a*, c, heads only. 0023, lotus, feet and part of robe. 0027, all below thighs and left side of halo missing.

K. S. 004. Buddha head with plain nimbus; round edge of vesica, lotus wreath and flame border; hard, white.

K. S. 008, 0020. Fragments of lotus wreath from large vesica; imbricated rows of petals, three in a row, bound at intervals by cinctures composed of double plain fillet and row of pearls.

K. S. 0010. Buddha figure like 002 but smaller; feet and lotus only.

K. S. 0011. Head (nimbate), right shoulder and elbow of figure wearing crown-like head-dress.

K. S. 0012. Fragment of chain of round links in relief.

K. S. 0014. Fragment backed with canvas (missing) and marked with ripples of hair, blue.

K. S. 0015. Flame border fragment from vesica, with traces of red, orange, mauve, green, buff and white paint.

K. S. 0016. Flower with pendent seed vessel.

K. S. 0026. Fragment of garland composed of small six-petalled flowers; traces of blue paint.

K. S. 0028. Lower part of figure kneeling on one knee on lotus; hands folded (?) in adoration; draped below waist; part of vesica with flame border to left.

Kara-sai 01, 02, 05, 06. Fragments of seated Buddha plaques. 01, in single robe, head, hands, feet, left leg and shoulder missing. 02, upper part missing. 05, 06, lower part missing. Traces of paint, white plaster.

Kara-sai 03, 04. Fragments of double flame vesica borders with remains of paint; white plaster.

K. Sai 08. Gandharvī flying with garland in outstretched hands; head, hands and legs below knees lost; remains of red paint.

K. Sai 09. Head of Buddha with part of circular halo.

OBJECTS SAID TO HAVE BEEN BROUGHT FROM KIZIL-YĀR (K. Yar)

Pottery.

K. Yar 038-040. Terra-cotta fragments of plaques showing seated Buddhas, as A. T. iv. 0017. 038, upper part. 039, figure without vesica. 040, (larger scale) hands in lap, right leg, both feet and part of lotus-vesica.

K. Yar 041. Terra-cotta fragment of face with traces of buff slip (?).

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Metal.

K. Yar 06-010, 012, 019. Fragments of bronze spoons. 06-08, 010, handles. 09, oval bowl pointed at tip, straight handle at angle of about 30° with bowl, slightly curved back and broadened at free end; short narrow neck at junction of bowl and handle, where it is broken. 012, bowl as 09, but rounded tip. 019, part of handle with fish-tail end; surface channelled.

K. Yar 011. Bronze knife-blade (?).

K. Yar 013-016, 026, 027. Fragments of bronze plate. 013, pear-shaped, short stud at each end. 014-016, fragments. 026, strip, rivet near one edge. 027, shield-shaped, two long studs at back.

K. Yar 017. Fragments of bronze hinge; two leaves with respectively two and three projecting loops through which hinge-pin (lost) would pass; short studs at outer ends of plates.

K. Yar 018. Bronze strap loop, D-shaped with slit in middle and rivet holes in corners and middle of curved side.

K. Yar 020-022. Fragments of bornze bangles.

K. Yar 023. Bronze tongue-shaped tag with two studs at back.

K. Yar 024, 030, 031. Three lumps of bronze.

K. Yar 025. Bronze strap-loop.

K. Yar 028. Fragment of bronze pendant resembling part of vajra.

K. Yar 029. Bronze buckle-tongue, curved.

K. Yar 032. Fragment of bronze spiral rod, doubled into loop.

K. Yar 033, 034. Two bronze wire rings, ends not joined; one end of each beaten flat and has small rivet in it.

K. Yar 036. Fragment of bronze wire.

K. Yar 037. Copper bar, plano-convex section, partly channelled on one face.

Stone.

K. Yar 02, 03. Two flat pieces of mica.

K. Yar 04. Chip of cornelian.

K. Yar 05. Fragment of dark brown pebble.

Wood.

K. Yar 01. Panel painted on both sides; subject: *obverse*: on white ground an elaborate shrine in black outline, showing a stupa-shaped niche on double podium approached by flight of steps; within, a seated Buddha under semi-circular arch from which two leaves of a door are thrown open; dome, covered with curved imbrications, supports a *hti*, two slender shafts and a tall spire crowned by an open lotus over which are diminishing "*chhatrs*" with long rippling streamers. Flame ornament flanks the stupa. *Reverse*: covered with hexagonal diaper bordered with scroll pattern.

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OBJECTS FOUND NEAR RUINED TEMPLE ABOVE TĀRISHLAK (Ta.)

Pottery.

Ta. 001, 002. Fragments of vessels (from "tati" south of Mayaklik site). 001, burnished and decorated with incised circles; dark grey-brown. 002, with ring in relief and incised lozenge ornament; hand-made; pink.

Ta. 003. Fragment of rim of bowl; glazed, olive-green.

Ta. 004. Terra-cotta fragment of animal-head from handle; *cf.* Yo. 0015. f., type (a).

Ta. 005. Terra-cotta fragment of appliquè rosette patterned with rings and dots.

Ta. i. 001, 002. Fragments of vessels of coarse red clay, glazed green. 001, lower part of bowl; dark mottled glaze on both sides. 002, part of splayed rim of vessel; pale green with darker mottling on both sides.

Ta. i. 003. Terra-cotta fragment of antelope head; coarse, red.

Wood.

Ta. i. 008, Disc with relief of seated Buddha; rayed border to circular vesica; parts missing; traces of blue over white on hair and gold elsewhere.

Stucco.

Ta. i. 004. Fragment of jewelled ornament, perhaps from arm of large figure; an oval boss composed of six pear-shaped petals radiating from central button and surrounded by pearls; remains of gilding and dark red paint, traces of blue and series of white dots.

Ta. i. 005. Fragment of drapery with traces of black and red paint and gilding.

Ta. i. 006. Fragment of hair in concentric rings of crescent-shaped curls; from crown of head; blue.

Ta. i. 007. Fragment of lotus crown (?); traces of gilding and green paint.

OBJECTS FROM FORT OF MAZĀR-TĀGH (M. Tagh)

Pottery.

M. Tagh 026. Stamp or die with handle at back; device: a pair of peacocks adorsed, regardant, wings upraised, standing on lotus; surrounded by pearl border.

M. Tagh 029, i. 004. Spinning whorls.

M. Tagh 031, 049. Potter's moulds; rosettes.

M. Tagh ii. 009. Jug; globular, with loop handle; red.

Glass.

M. Tagh i. 009. Fragment of glass from rim of vessel; blue-green.

Metal.

M. Tagh 017. Bronze D-shaped buckle; tongue lost.

M. Tagh i. 003. Fragment of bronze foil in form of leaf.

M. Tagh i. 005. Iron pin with four-sided head.

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Stone.

M. Tagh 016. White marble spinning whorl.

M. Tagh 0644. Fragment of pinkish stone, notched on each side.

M. Tagh 0645, 0646. Two beads; cylindrical, soft, white.

M. Tagh i. 002. Disc, pierced; white.

Wood.

M. Tagh 03. End of bow, flattened and spliced to animal tendon; splice bound with fine fibre and covered with black pigment; end flattened and notched for string.

M. Tagh 011. Conical float (?) or shuttle (?) drilled at one end with loop of string attached.

M. Tagh 020. Fragment of border with scale imbrications in black outline.

M. Tagh 021. Cleat or handle for churning cord.

M. Tagh 022, 023. Two stopper-like objects.

M. Tagh 024. Cylindrical object with conical knob at one end; traces of paint.

M. Tagh 027. Pear-shaped object with neck at thin end encircled by string.

M. Tagh 032. Spade-shaped spatula.

M. Tagh 033, 035-037. Four blank writing-slips, some broken; hole near one end.

M. Tagh 041, 042. Fragments of two combs.

M. Tagh 043. Fragment with traces of black lines.

M. Tagh 044. Key with holes for five pegs; *cf.* Kha. v. 001, etc.

M. Tagh 045. Object of unknown use.

M. Tagh 046-048, 0635-0638. Fragments of arrow-shafts, some of cane; with whipping of gut; 048, 0635, 0638, with notch. 0638 painted red at butt and has remains of feathers.

M. Tagh 0640. Stamp, square; device: a square in outline with diagonals and a dot in each triangular section.

M. Tagh 0641-0643. Three cubical dice; irregularly numbered. 0641 has 1 opposite 3, 2 opposite 5 and 4 opposite 6; the others have 1 opposite 4, 2 opposite 5 and 3 opposite 6.

M. Tagh 0648, 0651. Reed pens; 0651, fragment.

M. Tagh 0649. Spindle-like object of uncertain use.

M. Tagh 0650. Pen-like stick.

M. Tagh 0652. Fragment of implement, perhaps arrow for stunning birds.

M. Tagh 0653. Crescent-shaped fragment like lug of food bowl; *cf.* Ast. ii. 2. 021.

M. Tagh i. 007. Die, cubical.

M. Tagh iv. 002. Stick ending in lathe-turned knob.

Stucco.

M. Tagh 010, 028. Plaques with seated Buddha in pear-shaped halo with pearl and flame border.

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M. Tagh 030. Clay seal with scattered device of bird, crosses, swastika, etc.

M. Tagh 050. Cone of hard clay.

Textiles.

M. Tagh 014, 015. Two thin woollen cords and one of goat's hair, knotted like rosary. 015, pale blue wool.

M. Tagh 0639, 0647. Fragments of fine woollen fabric; buff.

M. Tagh 0654. Fragment of fine woollen (?) canvas with remains of paint.

Paper.

M. Tagh 0655. Fragment of drawing; subject: part of group of horses, galloping; well drawn; horses are pink, grey and buff respectively.

M. Tagh 0655. c. Fragment with drawing of man leading camel; lower part only; man wears black top-boots, loose trousers and coat to knee; dull red on man's coat and on camel.

M. Tagh 0655. d. Fragment with part of drawing of group of donkeys or mules, washed in with grey.

M. Tagh 0655. e. Fragment with part of drawing of mules; upper part; grey wash on first mule.

M. Tagh 0655. f. Two fragments; one with good sketch of hind legs of horse, and tail tied in knot.

M. Tagh 0656. Fragment of drawing; subject: young man in long smock with belt and top-boots, carrying whip in right hand and bunch of reins in left; nose of horse and uplifted fore-feet only of animals remain.

Leather.

M. Tagh i. 008. Oval piece, brown.

Fibre and Grass.

M. Tagh 01. Length of hemp rope, knotted at end.

M. Tagh 04-06. Three string shoes, with open-work sides; wrapped in piece of canvas.

M. Tagh 012, 013. Two fragments of string netting.

M. Tagh 051. Two fragments of hemp string.

Miscellaneous.

M. Tagh 039, 040; ii. 001. Fragments of horn combs.

M. Tagh iv. 001. Fragment of calcined bone, squared and with diagonal incision.

OBJECTS FROM BELOW MAZĀR-TĀGH FORT (M. Tagh)

Metal.

M. Tagh a. 0020. Fragment of iron sheet pierced with eleven holes. Scale of armour (?).

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M. Tagh a. 0030, a. IV. 00186, c. 003. Bronze plates from buckles with rivet holes.

M. Tagh a. IV. 00182. Silver (?) ball, hollow.

M. Tagh a. IV. 00183. Fragment of bronze crescent-shaped ornament.

M. Tagh a. IV. 00187. Bronze ring.

Stone.

M. Tagh a. 0032. Thistle-shaped knob; white.

M. Tagh a. 0046. Half octagonal cylinder of chalk-like stone.

M. Tagh a. IV. 00179. Quartz ring; white.

M. Tagh a. IV. 00180. Fragments. green (jade ?).

M. Tagh c. 006. Pebble, yellow-brown.

M. Tagh c. 007. Quartz, disc; white.

Wood.

M. Tagh a. 003. Knife handle.

M. Tagh a. 006, 007, c. 001. Writing slips with string-hole.

M. Tagh a. 008, Pen.

M. Tagh a. 009. Weaver's stick (?).

M. Tagh a. 0010. Spatulas with flat oblong blade.

M. Tagh a. 0014. 0015. Fragments of arrow shafts.

M. Tagh a. 0016, c. 005. Sticks. *a.* 0016, probably from arrow-shaft. *c.* 005 had two Chinese eighth century coins strung on it.

M. Tagh a. 0017, 0018. Ends of bows; 0017 with notch and hole at tip. 0018, remains of binding of bark strip.

M. Tagh a. 0019, c. 002. Two pairs of eating-sticks, each pair tied together with string.

M. Tagh a. 0021. Key, with six pegs; *see* Kha. v. 001.

M. Tagh a. 0022, 0023. Lock-bolts; six peg-holes; *see* Note on lock, p. 109.

M. Tagh a. 0025, c. 0011. Seal cases.

M. Tagh 0027. Fragment of comb.

M. Tagh a. 0028, 0029. Two cylindrical "toggles" (?) for tightening loads on pack animals.

M. Tagh a. 0031. Cubical die; pips arranged as in modern dice.

M. Tagh a. 0047. Twigs and withered leaves.

M. Tagh a. IV. 00175, b. 001. Stays for well-buckets.

M. Tagh a. IV. 00176. Amulet, oblong, flat; remains of leather cover, string round groove at edges.

M. Tagh a. IV. 00178. Disc, pierced with four holes.

M. Tagh b. 007-009. Three arrow-shafts and pair of wooden pliers tied together. 007 has small piece of bronze sheet inserted in end in place of feathers; at tip, remains of iron tang of point.

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M. Tagh b. 0013, 0014. Two keys; handles pierced for suspension cord; *see* Note on lock, p. 109.

M. Tagh c. 06-08. Three lathe-turned finials, with tenon at lower end.

M. Tagh c. i. 01. Carved stile from some kind of framing with lozenge carving down centre and nail-head borders; a leaf at either end, pointing towards centre.

Stucco.

M. Tagh c. 01, 04, 05. Fragments, plain; thickly matted with silky fibre; *see* also under Fibre and Grass.

M. Tagh c. 004. Knob, soft, white; *cf.* M. Tagh 0029.

Leather.

M. Tagh a. IV. 00184. Fragment, crumpled; black.

M. Tagh b. 0016. Fragment of dried hide.

Fibre and Grass.

M. Tagh c. 01, 04, 05. Silky fibre mixed with plaster; *see* also under Stucco.

Miscellaneous.

M. Tagh a. I. 0047. Red-brown gum.

M. Tagh a. IV. 00185. Berry, black; pierced for bead.

M. Tagh c. 008. Horn, cone-shaped, hollow; groove cut round tip.

OBJECTS SAID TO COME FROM MAZĀR-TĀGH (M. Tagh)

Glass.

M. Tagh 0026. a-j. Nine glass beads.

M. Tagh 0031. Glass spherical bead, gilded inside.

Metal.

M. Tagh 0026. k. Ring of bronze buckle.

Stone.

M. Tagh 0028. Pendant, flat lozenge, pierced at one end; white.

M. Tagh 0029. Domical lump of chalk-like stone.

OBJECTS FROM UNDER NORTH-WESTERN WALL OF FORT (M. Tagh Fort)

Wood.

M. Tagh Fort 01. a, b. Fragments of wooden lock. (*a*) from bolt, pierced with five holes and with groove at one edge. (*b*) tumbler-block belonging to (*a*), pierced with five funnel-shaped holes; *see* Note on lock, p. 109.

M. Tagh Fort 02. a, b. (*a*) oblong writing tablet; hole at one corner. (*b*) chip showing traces of black pigment.

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Textiles.

M. Tagh Fort 02. c, d. (*c*) fragment of felt; grey. (*d*) fragment of blue and white woollen check in which M. Tagh Fort 02. a-c. were wrapped.

Fibre and Grass.

M. Tagh Fort 03. Bundle of reed straw from wall.

OBJECT FROM ISLĀMABĀD.

Wood.

Islāmabād 001. Stick with six lines of faded writing; script and language doubtful.

OBJECTS FROM KHITAI-OILIK (Khi.)

Pottery.

Khi. 001-008. Fragments; badly washed clay; some with roughly incised zigzags; grey and red.

OBJECTS FOUND AT KÖK-KUM-ĀRISH (Kok-kum)

Pottery.

Kok-kum. 001. Fragment of handle; hard, dark red, glazed blue-green.

Kok-kum. 002-005. Fragments, coarse and gritty.

Kok-kum. 006. Fragment, hard grey and free from grit; traces of bright green glaze outside.

Stone.

Kok-kum. 007. Half of disc, pierced at centre; white.

Kok-kum. 008. Graphite (?) octagonal pencil, pointed at one end and pierced through middle.

OBJECTS BROUGHT FROM RAWAK (Rawak)

(Near Khotan)

Pottery.

Rawak 001. Fragment of bowl with lines of burnishing outside; fine red.

Rawak 002. Terra-cotta spindle whorl.

Stucco.

Rawak 004. a, b. Fragments of soft plaster.

OBJECTS FROM KĪNE-TOMAK (Ki.)

Pottery.

Ki. 001. Fragment of vessel glazed green with black spots; Chinese (?).

Ki. 002, 003. Terra-cotta grotesque monkeys, squatting on heels, arms outstretched, hands joined; 002, head lost. 003, arms and head lost.

Ki. 0014. Fragment of hand-made vessel, with circles stamped irregularly; light red.

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Ki. 018. Terra-cotta fragment of handle of vessel in form of winged horse; hinder-most part only of one side-cast.

Glass.

Ki. 0012. Bead, hexagonal double pyramid (base to base); yellow.

Ki. 0013. Bowl fragment, carinated wall, ornamented with applied thread; pale green.

Ki. 0017. Fragment of vessel with cut design of festoons hanging from moulded band; yellow-green.

Ki. 0021. Seal, rectangular, pierced through ends; conical depressions arranged as on cubical die, on two sides; black.

Metal.

Ki. 0018. Bronze seal, flat, pierced shank; device: linear design.

Ki. 0020. Brass amulet, oblong, flat; incised on one side (perhaps for inlay), a kneeling stag, regardant; other side, defaced.

Ki. 0023. Bronze ring fragment with round bezel containing cornelian, cracked; *see* under Stone.

Ki. 0024. Bronze handle, perhaps from seal.

Ki. 0025. Bronze pendant; two balls bound with wire and group of five smaller balls between, all suspended to a ring.

Ki. 0028. Bronze mirror fragment.

Stone.

Ki. 007. Steatite seal with flattened shank pierced for cord; device: single Chinese character.

Ki. 0010. Bead, cylindrical; white.

Ki. 0022. Steatite square; flat; edges bevelled; green.

Ki. 0023. Cornelian (cracked) in bronze ring; *see* under Metal.

Wood.

Ki. 0026. Hair-comb with rounded back; one end broken away; incised lines above teeth.

Ki. 0027. Strip from piece of furniture (?) with foliage carved in relief.

Ki. 01. c. Fragment of Buddhist rail.

Stucco.

Ki. 005. Fragment of background (?); traces of blue; white; burnt.

Ki. 0016. Fragment from background (?); white.

Ki. 0f. a, 012. Relief fragments of lotus wreath; white.

Ki. 01. b, 06, 07, 0011. Relief fragments of drapery; 01. *b*, zigzag folds; white, burnt. 06, in S-curve; traces of green paint; white, burnt. 07, fan-like end; traces of red paint; clay. 0011, wavy edge; traces of green; white, burnt.

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Ki. 03, 08-011, 004, 006, 008, 009. Fragments of flames, each tongue cast separately in S-curve; white; burnt.

Ki. 015. Toe-tip, right, great; white.

Ki. 017. Nimbus fragment, circular; grooved border; white; burnt.

Ki. 019. Hair in spiral curls.

OBJECTS ACQUIRED AS FOUND N. OF SUYA.

Pottery.

N. of Suya 001, 002. Terra-cotta fragments of appliqué ornaments. 001, elliptical jewel in bead setting. 002, rosette.

OBJECTS BROUGHT BY TOKHTA-ĀKHŪN AS FROM TATIS OF ARKALIK, HANGUYA, ETC. (Ark. Han.)

Pottery.

Ark. Han. 01. Terra-cotta fragment of neck of vessel decorated with nebuly and guilloche bands and a circular appliqué acanthus anthemion surrounded by pearls.

Ark. Han. 02. Terra-cotta fragment of neck (?) of vessel in form of grotesque bearded head on long neck.

Ark. Han. 03. Terra-cotta couple, embracing; heads lost.

Ark. Han. 04. Terra-cotta fragment of spout in form of long-snouted animal head with bulging eyes.

Ark. Han. 05. Terra-cotta appliqué ornament; grotesque lion-head.

Ark. Han. 06. Terra-cotta appliqué mask; lion type.

Ark. Han. 07-09, 013. Terra-cotta appliqué masks; grotesque human type. 07, as Yo. 0024. n. 08, as Yo. 0024, d. 09, well modelled. 013, as Yo. 0024. d.

Ark. Han. 010. Terra-cotta group; two figurines seated astride a bar; spirited modelling; both heads lost.

Ark. Han. 011. Terra-cotta grotesque monkey-head; owl type.

Ark. Han. 012. Terra-cotta Gandharvī head; hair in straight fringe.

Ark. Han. 014. Terra-cotta appliqué ornament; elliptical jewel with pearl border.

Ark. Han. 015. Terra-cotta miniature monkey seated on log; head lost.

Ark. Han. 016. Terra-cotta fore-part of bear.

Ark. Han. 017. Terra-cotta figure, sitting, with drum (?); head and feet lost.

Ark. Han. 019. Terra-cotta monkey; head and right arm only; head to face.

Ark. Han. 025. Terra-cotta miniature jug; body in form of bird with head reverted; neck of jug rises from bird's body; very graceful and good.

Ark. Han. 026. Terra-cotta monkey; owl type, standing, right, arm right leg and part of left arm lost.

Ark. Han. 028. Terra-cotta spout in form of hoopoo.

Ark. Han. 029. Terra-cotta appliqué (?) horse head in relief, mouth open.

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Ark. Han. 030. Handle in form of animal; traces of green glaze.

Ark. Han. 031. Terra-cotta appliqué ornament in form of flattened frog.

Ark. Han. 032. Terra-cotta fragment of vessel in form of grotesque monster.

Ark. Han. 033. Terra-cotta fragment of grotesque horse head; nose broken.

Ark. Han. 034. Terra-cotta fragment of horse; type of Yo. 076 and 077; head and part of legs lost.

Ark. Han. 035. Fragment of handle of vessel with lozenge-shaped thumb-rest, moulded and glazed light brown.

Ark. Han. 036. Similar to preceding but glazed dark green.

Ark. Han. 041. Terra-cotta fragment of vessel with cable ornament.

Ark. Han. 043. Terra-cotta monkey; head, arms and legs lost.

Ark. Han. 051. Terra-cotta fragment of handle of vessel; grotesque sheep type; *cf.* Yo. 086. a-f.

Glass.

Ark. Han. 020. Glass beads, five; one white and blue.

Ark. Han. 027. Bead, millefiori; *see* also under Stone.

Ark. Han. 037. Twenty-five beads of various materials; *see* also under Metal and Stone and Miscellaneous.

Ark. Han. 042. b. Bead, glass bugle; yellow.

Ark. Han. 065. Glass, stone, etc., beads and fragments; *see* also under Stone and Miscellaneous.

Metal.

Ark. Han. 018. Bronze spinning whorl.

Ark. Han. 037. Bronze charm; device: two concentric circles; *see* also under Glass and Stone and Miscellaneous.

Ark. Han. 044. Bronze disc; traces of gilding.

Ark. Han. 045, 046, 049. Bronze studs.

Ark. Han. 047. Bronze fragment, ribbed.

Ark. Han. 048. Bronze fragment with relief Arabic characters against arabesque background.

Ark. Han. 050. Bronze rod fragment.

Stone.

Ark. Han. 022. Stone charm, oblong.

Ark. Han. 023. Stone fragment; cream colour.

Ark. Han. 024. Jade fragment; axe-head shape; white.

Ark. Han. 027. Stone charms and beads; jade, cornelian, etc., *see* also under Glass.

Ark. Han. 037. Jade, cornelian, agate, etc., beads: *see* also under Metal, Glass and Miscellaneous.

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Ark. Han. 038. Stone charm, irregular cone; pierced at point; brown.

Ark. Han. 039. Jade pebble.

Ark. Han. 042. a. Jade pebble, drilled.

Ark. Han. 065. Stone and glass, etc., beads and fragments; crystal, agate, cornelian, turquoise, garnet, etc.; *see* also under Glass and Miscellaneous.

Ark. Han. 066. Cornelian seal fragment; rectangular; engraved with Arabic characters.

Ark. Han. 067. Cornelian intaglio seal fragment; elliptical; device: head and shield of Athene (?); poor work.

Stucco.

Ark. Han. 052. Torso, male, nude; with long, curled hair and ornaments; burnt.

Ark. Han. 053. As preceding, showing fillet falling to shoulder from head; burnt.

Ark. Han. 054. Buddha fragment; seated in *dhyāni-mudrā*; hands, left arm and part of lap; traces of colour; burnt.

Ark. Han. 055. Buddha head fragment; burnt.

Ark. Han. 056. Woman, kneeling, as Yo. 061; knees and lower part of tunic only.

Ark. Han. 057. Flame fragment from vesica; like stalk of fleur-de-lis; burnt.

Ark. Han. 058. Buddha head; burnt.

Ark. Han. 059. Buddha head like preceding; nimbus in form of lotus; burnt.

Ark. Han. 060. Grotesque face fragment; upper part of right side; rough work; burnt.

Ark. Han. 061. Buddha fragment, seated; rough work; burnt.

Ark. Han. 062, 063. Buddha seated, with lotus vesica. 062, left knee and feet pointing downwards. 063, feet and edge of robe; burnt.

Ark. Han. 064. Jewel, octagonal, facetted, supported on lotus; flame issuing from top; burnt.

Miscellaneous.

Ark. Han. 021. Bone charm in form of duck; pierced for cord.

Ark. Han. 037. Shell beads; *see* also under Metal, Glass and Stone.

Ark. Han. 065. Coral and shell fragment; *see* also under Glass and Stone.

OBJECTS FROM AK-TEREK AND SIYELIK (A. T.)

Pottery.

A. T. 005. Terra-cotta six-pointed caltrop with traces of green glaze.

A. T. 006. Terra-cotta fragment with comb-drawn festoons and relief band with punch marks.

A. T. 007. Fragment of handle with perished green glaze.

A. T. 0010. Fragment of ring-handle with punch marks.

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A. T. 0012. Fragment of vessel, squat, carinated sides and wide out-turned lip; punched ornament; part of large ring handle with traces of flat heart-shaped projections at top, with anthemion design (?).

A. T. 012, 046. a. Terra-cotta appliqué ornaments. 012, bull's head. 046. *a*, double leaf.

A. T. 038, 044, 056. Terra-cotta fragments of camels. 038, fore-quarters and hump; right leg and foot of rider. 044, camel's head. 056, head and part of neck.

A. T. 042. Terra-cotta fragment with incised curves and dots.

A. T. 046. Terra-cotta fragment of monkey; upper part, wearing conical fur cap; left arm, most of right and all below breast lost.

A. T. 047. Terra-cotta torso of nude figure.

A. T. i. 00131. Fragment, hard, gritty, with slip on both faces.

A. T. ii. 1. Fragment, indeterminate.

A. T. iv. 00164. Terra-cotta fragment of knee of squatting monkey.

A. T. v. 1. Terra-cotta fragment of monkey (?); part of leg only.

A. T. v. 2. Terra-cotta fragment of monkey; upper part; right arm raised (broken); left arm, crown of head and all below breast lost; features deeply incised after moulding; *cf.* Har. 016.

Glass.

A. T. 00115. Beads, glass; nine of various shapes and colours—green, blue, ruby; *see* also under Stone.

A. T. 00116. a-c. Beads, glass; various colours.

A. T 00117. a-g. Glass fragments from vessels; some with cut designs. (*f*) seems to have blue applied locally.

A. T. i. 00133. Glass fragment, convex, greenish-grey to blue.

Metal.

A. T. 00120, 00124. a-c, f. Bronze, etc., fragments; 00120, bezel of ring, nail, wire and several fragments. 00124. *a*, three pieces of Chinese coins. 00124. *b*, arrow-head. 00124. *c*, circular ornament. 00124. *f*, lead fragment.

A. T. i. 00132. Fragments of gold leaf.

Stone.

A. T. 00115. Jade ring; white; *see* also under Glass and Paste.

A. T. 00118. Jade ring, three fragments.

A. T. 00124. e. Cornelian bead, fragment.

Stucco.

A. T. 0016, 0017, 0069, 0070; i. 001, 0051. a, b., 0078-0081, 0092; ii. 002, 0032, 0042, 0043; iii. 0036, 0043, 0090; iv. 002-005, 0057, 0068, 00107, 00109-00111; v. 0068, 0069. Fragments of S-shaped tongues of flame; traces of white wash and gilding.

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A. T. 0018. Fragment of ribbed tongue of flame; red clay.

A. T. 0020, 0021, 0062, 0068; i. 002, 003, 005, 0054-0056, 0068, 0069. a, b, d, e, 0072, 0073; ii. 0028, 0039, 0045; iii. 0049, 0050-0054; iv. 0010, 0056, 0069, 0097, 0098, 00106; v. 0063. a, b. Fragments from borders of large halos. The halos were bordered with continuous deeply serrated leaf scheme, points directed inwards. On the field, close to border were circular medallions with double plain fillet border, a ring of leaf-shaped cabochon jewels and a central rosette (*see* A. T. 0022, etc.); between medallions were conventional fleur-de-lis (*see* A. T. 0066, etc.) with lower end extended into a wavy, pointed leaf-shape with double-lobed base downward, the tip, bound with cincture, supporting the fleur-de-lis. *See* A. T. 0055, etc.

A. T. 0022, 0085; i. 0097; ii. 0029, 0049; iv. 006-008, 0078, 0079, 00129. a, b, 00130. a, b; v. 0033. Fragments of medallions described under A. T. 0020, etc.

A. T. 0023. Human face, fragment; mouth and part of chin; hard, red clay.

A. T. 0026. a, b, 0048, 0079: i. 0089. a, b, 0090; iv. 00114. Buddha, seated, fragments; circular lotus forms vesica against which figure sits; drapery folds treated as in A. T. 03.

A. T. 0027, 0050, 0073, 0074; i. 0015; iii. 006; iv. 0055, 0067, 00113. b-d; v. 007, 0030. Fragments of seated Buddha against vesica of lotus; hands covered by drapery.

A. T. 0029; i. 0016, 0019, 0051, 0062; ii. 009, 0036; iii. 007, 008; iv. 0019, 0085, 0087, 00118, 00158; v. 009, 0058, 0076. Fragments of nimbus and vesica of Buddha figures.

A. T. 0030, 0031, 0042, 0052, 0053, 0058. a, b, 0067, 00105. a-c, 00106, 00107; i. 0013. a-c, 0014, 0047, 0048, 0060, 0064, 0074, 00129. a-e; ii. 003. a-c, 004, 0040, 0059. a-d; iii. 002. a-c, 003-005, 0085. a-c, 0086-0088; iv. 0014. a-k, 0015. a-k, 0016. a, b, 0063, 0083. a, b, 0084, 00163. a-i; v. 005. a-h, 006. a-c, 0041, 0042, 0056, 0057, 0064. a-c, 0093-0095. a, b. Cloud ornament; fragments; flat spiral with grooves near edges; there are many of these from the edges of large vesicas.

A. T. 0033, 0034, 0089, 0093, 0097; iii. 0014, 0076; iv. 0033, 0099, 00142. a, b, 00143. Triangular fragments of ornaments with sides bordered with meander band; base, plain; centre field occupied by three elongated heart-shaped cabochon jewels, radiating from centre, points outward. When complete, triangle was surmounted by a crescent placed horizontally, horns upward. *See* A. T. iii. 0012, etc. All are from the same mould.

A. T. 0037; i. 00117. Fragments in relief; rather like handle of *takhti*.

A. T. 0038, 0054, 0064. a-c, 0086. a-f, 00104, 00108; i. 0028, 0029, 0042, 0071. a, b, 0086, 00111. a-d, 00128, 00130; ii. 0013, 0014, 0021, 0026; iii. 0025, 0027-0029, 0033, 0048, 0055. a-d, 0083, 0084; iv. 0037, 0044, 0049, 00136-00139, 00159, 00160, 00162; v. 0022, 0044, 0097. Fragments of drapery, some with traces of gilding and red paint; iv. 00136 has small globules of melted gold.

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A. T. 0039, 0040; i. 0036, 0075, 00107. a, b, 00108, 00110; ii. 0023, 0025, 0052; iii. 0022; iv. 0046, 0047, 0092. a, b, c, 00101, 00103, 00135; v. 0027, 0086. Fragments of "corkscrew" tongues of flame.

A. T. 0041. Human ear fragment, upper part.

A. T. 0043; iv. 0091. Band fragment with bead ornament.

A. T. 0044; v. 0062. Fragments of bunches of grapes (?).

A. T. 0045. Fragment.

A. T. 0046; i. 0012, 0040, 00118; ii. 006; iii. 0057; iv. 0093, 00105, 00151, 00155. Fragments of flowers supported on pairs of voluted leaf-tips.

A. T. 0050, 0073, 0074; i. 0015; iii. 006; iv. 0055, 0067, 00113. b-d; v. 007, 0030. Fragments of seated Buddha against vesica of lotus; hands covered by drapery.

A. T. 0055, 0083; i. 0023, 0024, 0043, 0094, 0095, 0096; ii. 008, 0033, 0041, 0046, 0047; iii. 0010, 0037, 0044, 0064; iv. 0026, 0028, 0029. a, b, 0058, 0059, 0073, 0080, 00104, 00121, 00122, 00125, 00126; v. 0014-0016, 0082, 0083. Fragments of leaf-supports of fleur-de-lis. *See* A. T. 0020, etc.

A. T. 0056. Human face fragment; right eyebrow and part of bridge of nose; hair cable-wise along brow.

A. T. 0057; iii. 0021. Fragments of plaited necklet.

A. T. 0059. Fragment of spiral curl of hair.

A. T. 0061. Circular jewel ornaments.

A. T. 0065. Fragment of stalk with two lobes.

A. T. 0066, 0084; i. 0011; ii. 007, 0034; iv. 0070, 00124; v. 0049. Fleur-de-lis flowers. *See* A. T. 0020, etc.

A. T. 0071. Fragment of demon face; central part; hard, red, with light paint.

A. T. 0072; i. 0093; v. 0024. Fragments of small acanthus-leaf capitals.

A. T. 0075, 0076, 0078; iii. 0034; v. 0029, 0075, 0077. Buddha seated; fragments, with lotus vesica; hands uncovered.

A. T. 0080, 0081; i. 0044, 0063, 0091; iii. 0019, 0042, 0056, 0060; iv. 0042, 0060, 0061; v. 0046, 0078, 0079. Fragments of tongues of flame, ribbed.

A. T. 0087, 0088; i. 0025, 0026, 0046; ii. 0010; iv. 0090, 00100; v. 0019, 0053, 0087. From smaller mould: i. 0066, 00113; iv. 00140, 00141; similar, ii. 0024; v. 0021. Fragments of top-knot of hair with jewelled cincture at base; against numbus with border of meander in relief and edge of alternate crescents and pearls.

A. T. 0090, 0096; i. 0027. Fragments of pearl edging.

A. T. 0091; ii. 0053. Fragments of upper part of triangle with moulded edges forming volutes.

A. T. 0094; i. 00116; iii. 0079; iv. 00115; v. 0090. Fragments of border or garland of twisted alternate strings of pearls and fillets.

A. T. 0095. Fragment of jewelled band with chevron borders and cabochon jewels between.

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A. T. 0099 ; ii. 0012, 0057 ; iv. 0036 ; v. 0059. Double-lobed leaf ornament fragments ; red clay.

A. T. 00100. a-c. Fragment of zigzag border.

A. T. 00101. Fragment with two incised converging lines.

A. T. 00102. Fragment of pointed lotus petal.

A. T. 00103. Fragment of bracelet (?) ; bright red clay with creamy paint.

A. T. 00109. a, 00111 ; i. 0035 ; v. 0028. Fragments of tightly curled spirals of hair.

A. T. 00114. Fragments of necklace of twisted strands.

A. T. 03, 08, 09, 025. Buddha, seated ; fragments. 03, part of torso ; robe folds shown by regular grooves closely set. 08, 09, 025, joined ; lower part of face, left side of halo, right upper arm and torso to waist ; robe as 03 ; red clay.

A. T. 06, 09. a, 011, 013-015, 017, 020, 021, 022+027, 023, 024, 028, 034-036 ; 00113 ; iv. 00112. Fragments of seated Buddha with circular nimbus and sharply pointed vesica ; eyes nearly closed, elongated and slanting ; folds of robe, regular, closely-set grooves.

A. T. 011. a. Halo with left shoulder, draped ; red clay.

A. T. 033. Human toe (?) drab clay.

A. T. i. 006, 0010 ; iii. 0062, 0063 ; iv. 0052, 00131 ; v. 0072. Fragments of fingers and parts of wrist.

A. T. i. 007-009. Fragments of ears ; 008, burnt.

A. T. i. 0017, 0018 ; ii. 005 ; iv. 0088, 0089 ; v. 0012. Fragments of lotus vesica ; *cf.* v. 0029.

A. T. i. 0020, 00121 ; ii. 0055 ; iv. 0023. a ; v. 0045, 0066. Similar but from different mould ; A. T. i. 0021 ; ii. 0030 ; iii. 0040, 0041 ; iv. 0022. a-o. From larger mould ; A. T. i. 0076. a, b ; iii. 009. Fragments of eight-petalled flowers with light yellow centres ; these flowers were fixed in rows to flat back-ground.

A. T. i. 0030-0032, 0045, 0057. a, b, 00104-00106 ; ii. 0015-0019 ; iii. 0015-0017, 0045, 0072, 0073 ; iv. 0038, 0039. a, b, 0040, 0043, 0065, 0076, 00133, 00134 ; v. 0043, 0055, 0085. Fragments of hair represented by bands of crescents, alternate bands reversed.

A. T. i. 0033. Fragments of lotus petal and bands.

A. T. i. 0038. a, b ; ii. 0022 ; iii. 0020 ; v. 0061. Fragments of chain or garland ; twisted zigzag band between two fillets.

A. T. i. 0039. Fragment of "corkscrew" curl.

A. T. i. 0041. Fragment of bracelet.

A. T. i. 0052, 0053. Fragments of human ears. i. 0053 has globules of melted gold adhering.

A. T. i. 0067. Fragment divided into lozenges by incised lines : in each lozenge, a stamped circle.

A. T. i. 0070 ; ii. 0050. Fragments of U-shaped bands ; perhaps from ears.

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A. T. i. 0077; v. 0067. Fragments of shrine with *padmāsana* on top.

A. T. i. 0082, 0083; v. 0070. Fragments of standing Buddha; right side; head and all below middle of thighs lost.

A. T. i. 0084. Fragment of human face; all above right eye and below mouth lost; red clay with creamy paint.

A. T. i. 0085. Lotus petal.

A. T. i. 0087; iv. 0011, 00119, 00120. Fragments of human hands, closed.

A. T. i. 0098, 0099, 00100, 00101. Fragments of human ear; traces of creamy paint; 0098, burnt.

A. T. i. 00102. Two fingers.

A. T. i. 00103. Fragment of left arm, undraped.

A. T. i. 00109. Fragment of small human head; hair in crescent locks.

A. T. i. 00115; iii. 0078; iv. 0045. Posts of railing, channelled on face.

A. T. i. 00119. Fragment of flower.

A. T. i. 00120. Fragment of palmette.

A. T. i. 00122; ii. 0011. Fragments of pear-shaped ornament; probably base of flower stem.

A. T. i. 00123. a, b; iii. 0024; iv. 0050, 00157; v. 0092. Fragments of flame ornament.

A. T. i. 00124. Fragments with surface divided into diamond by incised lines; *cf.* A. T. iii. 0018.

A. T. i. 00125. Fragment of seated Buddha; as A. T. 0029, but to smaller scale.

A. T. i. 00126. Fragment from lotus vesica.

A. T. i. 00127. Fragment curved and ribbed.

A. T. ii. 0020. Fragment of stylised wing of bird (?)

A. T. ii. 0027, 0044; iv. 0018, 0071, 0072, 00116; v. 0011. Fragments of Buddha head; eyes nearly closed; *cf.* A. T. 0026. a. b.

A. T. ii. 0035; iii. 0032, 0046; iv. 0081, 0082; v. 0081. Fragments of rippling end of *taenia*, from seated Buddha.

A. T. ii. 0048. Lower part of human face; red clay, remains of light paint and gilding on lips.

A. T. ii. 0051. Fragment of finger.

A. T. ii. 0054. Fragment with incised lines.

A. T. ii. 0056. Fragment of boldly modelled foliate ornament.

A. T. ii. 0058. Human toe.

A. T. iii. 001. Fragment of wrist with bangle.

A. T. iii. 0011; iv. 0030. a, 00145, 00147, 00149; v. 0051. Fragments of crescent ornaments.

A. T. iii. 0012, 0013, 0077; iv. 0031, 00144; v. 0017. a, 0018, 0088. Fragments of crescents from triangular ornaments; *see* A. T. 0033.

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A. T. iii. 0018. *See* A. T. i. 00124.

A. T. iii. 0023. Back of upper part of human ear.

A. T. iii. 0030. Toe of human foot.

A. T. iii. 0031 ; iv. 0025, 00156 ; v. 0060. Flowers with cascade of seeds falling from centre.

A. T. iii. 0035, 0059. Fragment of seated Buddha with lotus vesica.

A. T. iii. 0038. Fragment of head and brow of human figure showing crescent curls.

A. T. iii. 0047. Fragment of human ear.

A. T. iii. 0058. Fragment of lower part of body of Buddha with part of head of attendant figure (?).

A. T. iii. 0061. Fragment of female figure ; middle only ; cast hollow and burnt ; remains of paint.

A. T. iii. 0065-0067 ; v. 0084. Fragments of human ears. 0065, upper part with some hair ; partly burnt. 0066, top part, partly burnt.

A. T. iii. 0068. Fragment of finger or toe ; nail indicated.

A. T. iii. 0069 ; iv. 0051. Fragments of toes.

A. T. iii. 0070 ; iv. 0012, 0064. Fragments of fingers ; iii. 0070, tip. iv. 0012, nail painted red.

A. T. iii. 0071 ; iv. 00132 ; v. 003, 0034, 0035. Fragments of human arms. iii. 0071, left arm of adoring figure, hand open. iv. 00132, part of wrist with bangle. v. 003, right hand, fingers closed ; bangles on wrist. v. 0034, core of lower arm with remains of drapery. v. 0035, left hand with bangle.

A. T. iii. 0074. Fragment of right leg bent at knee ; from adoring (?) figure ; draped.

A. T. iii. 0075 ; iv. 00102. Fragments of hair from figures. iii. 0075, short, curled tresses. iv. 00102, hair in crescent locks.

A. T. iii. 0081. Flaming jewel (?).

A. T. iii. 0082. Fragment of muzzle of bull (?).

A. T. iv. 009. Fragment of demon face ; right eye and brow.

A. T. iv. 0017, 0053, 0054 ; v. 008, 0010, 0031, 0047, 0074. Fragments of seated Buddhas against lotus vesica, hands exposed, folded, in lap.

A. T. iv. 0020. Fragment of circular plaque.

A. T. iv. 0021. Fragment of pearl ornament.

A. T. iv. 0032. Fragment of ornament ; below a plain band, part of a lotus ; to l.p., a group of leaf-shaped and circular cabochon jewels between converging pearl borders.

A. T. iv. 0034. Fragment of groups of jewels (?) within triangular pearl borders.

A. T. iv. 0041. Fragments of cords and tassel.

A. T. iv. 0066. Fragment of youthful female head with long wavy hair, ear-rings and necklet.

A. T. iv. 0077. Fragments of human nose.

A. T. iv. 0086. Fragment of inner border of lotus hale.

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A. T. iv. 0095. Fragment of quatrefoil ornaments.

A. T. iv. 00117. Foot of seated Buddha against lotus petal.

A. T. iv. 00127, 00128. Fragments of human heads. 00127, nose, mouth, chin and part of cheek. 00128, right eye and part of brow.

A. T. iv. 00146. Lozenge-shaped ornament.

A. T. iv. 00148. Two converging bands of meander ornament.

A. T. iv. 00161. Rough fragment with incisions.

A. T. iv. 00165. Roll of clay bent into loop.

A. T. v. 002. Fragment of human face; well modelled.

A. T. v. 0013, 0038. Flowers resting on voluted leaf tips.

A. T. v. 0020. Fragment of pear-shaped jewel with meander borders.

A. T. v. 0025. Fragment of grotesque demon face; upper lip and part of cheek only.

A. T. v. 0026. Fragment of jewel.

A. T. v. 0052. Fragment of triangular ornament like A. T. 0033 etc. but with crescent border.

A. T. v. 0065. Rosette and part of curved stalk; *cf.* A. T. i. 0020.

A. T. v. 0071. Fragment of cushion-like object covered with imbricated ribbed scales, cable moulding below.

A. T. v. 0080. Fragment of flame.

A. T. v. 0089. Fragment; a fillet with incised circles; in field, raised diagonal band with same ornament; leaf ornament above.

A. T. v. 0091. Fragment.

Miscellaneous.

A. T. 00124. d. Fragment of nacre.

OBJECTS FOUND ON "TATI" BETWEEN AK-TEREK AND SIYELIK (A. T. S.)

Pottery.

A. T. S. 006, 007. Fragments of pottery vessels; light red, blue-green glaze.

Glass.

A. T. S. 0013. a, b. Fragments, light green.

Stucco.

A. T. S. 0011. Fragment of human nose; red clay.

OBJECTS FOUND AT RUINED SHRINE, SIYELIK (Si.)

Pottery.

Si. 001, 002. Fragments of vessels, red. 001, with small handle with appliqué anthemion at base: also incised ornament. 002, base and part of wall.

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Stucco.

Si. 004; i. 001-003, 006, 007; ii. 002. Fragments of Buddha seated against circular lotus vesica; hands uncovered. Same mould as that of A. T. 0026. a, b, etc.; red, burnt.

Si. 005. Head of Buddha; left ear and below mouth broken away; cap-like hair; burnt.

Si. 006; i. 0013, 0014; ii. 004. Fragments of pair of voluted leaf tips (from top of triangle); 006, with facetted jewel between volutes.

Si. 007. Circular rosette.

Si. i. 005. Fragment of Buddha seated against lotus vesica; hands covered by robe; head and parts of vesica lost; same mould as that for A. T. 0050 etc.

Si. i. 008. Fragment of Buddha; right arm, breast and shoulder; draped; burnt.

Si. i. 009, 0010, 0011; ii. 003. Fragments of triangle and jewelled centre from same mould as that for A. T. 0033 etc.; burnt.

Si. i. 0012. Fragment of triangle and jewelled centre.

Si. i. 0016. Fragment of Buddha head; right ear, end of nose and chin, hair above brow and all of back of head missing; burnt.

Si. i. 0017. Fragment of lotus; burnt.

Si. i. 0018. Fragment of ornamental band with raised edges.

Si. ii. 005. Fragment of Buddha head; right eye, eyebrow, part of cheek and nose; burnt.

Si. ii. 007. Fragment of drapery, painted crimson; burnt.

OBJECTS FROM SOUTH OF SAMPULA (Samp.)

Wood.

Samp. 01. Fragment of pedestal similar to Ast. iii. 4. 021 etc.

Samp. 03. Fragment of bowl, lathe-turned.

Samp. 05. Fragment of tablet; tapering; broken at narrow end; on one side three very cursive Tibetan (?) characters.

Stucco.

Samp. 001. a, b. Spiral curls of hair as Kha. i. C. 0044 etc.; traces of paint; white plaster.

Samp. 002. Double band of pearls ending in a bow and fold of drapery; from Gandharvī figure (?); white plaster.

Samp. 003. Four large beads on flat ground; white plaster.

Samp. 004. Torso and right arm of seated Buddha.

Samp. 005. Fragment showing, below, a facetted jewel with flames on each side; above, upper part of Bodhisattva holding long-stemmed flower over each shoulder; perhaps adoration of *Triratna;* white plaster.

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Textiles.

Samp. 04. Fragments of painted silk banner; subject: part of head wearing tiara (?) faintly traced in grey; top bound with purple twill silk.

Samp. 06. Two fragments of coarse woollen serge; red.

Samp. 07. Two fragments of woollen tapestry border; pattern: modified anthemion repeat, in red and yellow on dull green ground; border of red and yellow.

Leather.

Samp. 02. Fragment, perished.

OBJECT SAID TO HAVE BEEN FOUND NEAR YANGI-DARYĀ ON LOWER KHOTAN RIVER.

Wood.

Yangi-darya 001. Amulet in case, cylindrical, pointed at one end; divided longitudinally into two halves, fitted together and bound with string at both ends; contents; a carefully folded snake-skin with head on top.

Sites near Chīra and Domoko Oases.

The Chīra and Domoko Oases lie about 50 miles west of the town of Khotan. MAIRA TATI is just outside the western borders of the Chīra Oasis and Domoko-Bazaar about 20 miles further on. The following sites are scattered to the north of the two oases, within a radius of about 10 to 15 miles:—

LACHIN-ATĀ-MAZĀR, OLD DOMOKO, ULŪGH-MAZĀR, ULŪGH-ZIĀRAT and FARHĀD-BĒG-YAILAKI.

At the east of the Domoko Oasis lie BALAWASTE, about 6 miles from Domoko-Bazar, with KHĀDALIK, KUSHUK-ASTE, DARABZAN-DONG ($2\frac{1}{2}$ miles S. of Kha.) and KUDUK-KŌL a little further south. KARA-YANTAK and MAZĀR-TOGHRAK lie to the south of the oases. HĀSHA is about 30 miles SSE. of the oases and NŪRA 46 miles south.

OBJECTS BROUGHT FROM RUINED SITES NEAR DOMOKO (D. K., Do.)

Glass.

D. K. 050. a. Long pear-shaped pendant, facetted; blue; threaded on string with D. K. 050. b.

Do. 006. Fragment of ornament of light brown body with parallel wavy white lines.

Do. 0010. Cylindrical bead, with channelled sides; buff.

Do. 0011. Square bar of opaque brown glass with white zigzag lines; end pierced.

Metal.

D. K. 03, 04. Lead. 03, rod, doubled into loop. 04, ball.

D. K. 05. Bronze buckle; circular.

D. K. 047, 048. Bronze fragments; irregular.

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D. K. 049. Bronze, fragment of seal-ring; device: dragon.

D. K. 050. b. Bronze seal; square; device: Chinese characters; threaded on string with D. K. 050. a.

D. K. 052. c. Bronze fragment, trumpet-shaped both ends, one smaller than the other and closed by plate pierced with two holes; all threaded on string.

Do. 005. Fragment of hollow bronze rod made of twisted wire.

Do. 007. Bronze disc.

Do. 008. Fragment of bronze pin or needle, with pierced head.

Do. 009. Bronze miniature vessel like Tibetan teapot.

Stone.

D. K. 01. Lignite (?) echinus-shaped, facetted and pierced.

D. K. 06. Jade (?) ball; light grey.

D. K. 0171. Cornelian intaglio; oval; device: Brāhmi inscription, *Nandita-śrī.*

Do. 003. Steatite seal; device: geometric.

Do. 004. Steatite seal; device: a few cursive Brāhmi (?) characters.

Wood; paintings.

D. K. 016. Fragment with painting of face on red ground.

D. K. 056. Fragment of board; traces of painting.

D. K. 057. Fragment of panel broken in two; *obverse*: almost obliterated, probably seated Buddhas; *reverse*: diaper of seated Buddhas with lotus halos; trefoils between.

D. K. 0101. Panel; *obverse*: remains of standing Bodhisattva holding lotus in joined hands before lower part of body; *reverse*: traces of blue and pink.

D. K. 0102. Panel with curved top; *obverse*: remains of seated Buddha, upper half destroyed; *reverse:* four seated Buddhas with flames at shoulders; one edge broken away.

Do. 06. Fragment of panel painted on both sides; *obverse*: standing figure on red ground; robe, red with black girdle; stole light brown; hair black; most of face broken away; *reverse*: red ground and perhaps standing figure; almost obliterated.

Wood; inscribed.

D. K. 054. Fragment, lacquered black on one side and three Chinese (?) characters on the other.

D. K. 055. b. Fragment of slip with Tibetan inscription.

D. K. 0104. Fragment of square stick, pink on one side face and traces of Tibetan writing on two faces.

Stucco.

D. K. 09. Elongated ear, pierced with large hole; red clay mixed with fibre; backed with grey clay; painted pink; perhaps part of D. K. 014.

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D. K. 010. Lotus rosette surrounded by pearls, with wooden peg at lower side; traces of white paint; probably from tiara of D. K. 014.

D. K. 011. Fragment of seated Buddha, head missing; partly burnt.

D. K. 012. *Uṣṇīṣa* from large Buddha head; hair wavy and in whirling arrangement; material as D. K. 09.

D. K. 013. Fragment in two pieces; seated Buddha with pear-shaped nimbus; behind, part of another figure; robe pink, hair grey; red clay with woolly fibre.

D. K. 014. Bodhisattva head, life-size; half-closed eyes; forehead-band of tiara with large jewels connected by strings of pearls; wavy hair parted over forehead; *ūrṇā* marked; pink paint; material as D. K. 09 and core of rushes; D. K. 09, 010 may belong to this.

D. K. 015. Fragment of slab with Chinese character on front and impression of lotus-petal border on back; red clay.

D. K. 040. Fragment from foliate flame border; hard, white plaster, traces of gilding.

D. K. 041. Fragment of long-necked bird (?) issuing from open jaws of dragon; white plaster; burnt.

D. K. 095-0100. Fragments of seated Buddha plaques; right hand raised in *abhaya-mudrā;* left grasping robe below left thigh; traces of pink on robe; 097 and 0100 joined.

D. K. 0103. Right hand of Buddha showing web between fingers; remains of white paint.

D. K. 0104. a-c. Fragments of ornament. (*a*) double lotus-petal border with central row of pearls. (*b*) part of pearl border. (*c*) double row of pearls with square jewels at intervals; remains of paint.

Do. 01, 02, 03. Fragments of Buddha figures. 01, standing, lower part; traces of paint; white plaster. 02, head, breast and right shoulder of Buddha; remains of colour and gilding; white plaster. 03, head of Buddha; traces of colour; white plaster.

Do. 04. Fragment of flame pattern: pink and green; *cf.* Kha. 0023. etc.; white plaster.

Do. 05. Fragment, gilded.

Textiles.

D. K. 042. Fragment of cotton (?) twill; red.

D. K. 043. Plaited string band with lozenge pattern in red.

Paper; painted.

D. K. 055. a. Scrap showing end of camel's nose (pinkish-red) with stick or rope behind.

Miscellaneous.

D. K. 02. Lump of resin (?) drilled as for bead.

D. K. 07. Bone or ivory circular disc, drilled through centre; flat echinus-shaped, with circle-and-dot ornament; stained pink.

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D. K. 08. Bone or ivory ring ornamented similarly to preceding; pink.
D. K. 039. Piece of string, knotted as for rosary.
D. K. 051. Fragment of horn comb.
D. K. 053. Fragment of bone finger-ring.
D. K. 001. Hair; coarse, buff and brown.

OBJECTS FOUND AT MAIRA-TATI (Maira)

Pottery.

Maira 001, 002. Fragments with incised ornament. 001, comb-drawn bands of nebuly. 002, triangles in angles of chevron line.

Stucco.

Maira 003. Fragment of floating Gandharvī; head, breast, left arm and right hand lost; white plaster.

Maira 004. Buddha torso, right hand in *abhaya-mudrā*; remains of red paint; white plaster.

Maira 005. Three spiral curls of hair; traces of blue; white plaster.

OBJECTS FOUND NEAR LACHIN-ATĀ-MAZĀR (Lach.)

Pottery.

Lach. 005. Fragment of handle (?) of vessel; grey, glazed brilliant brown.

Metal.

Lach. 006. a-g. Small bronze fragments.

Stone.

Lach. 004. Cornelian, fragment.

OBJECTS FOUND IN VICINITY OF ULŪGH-MAZĀR (U. M., Ulūgh-mazār)

Pottery.

U. M. 001, 002. Fragments with incised ornament. 001, with two concentric bands made with nine-toothed punch; grey-brown. 002, with band of comb-drawn wave between two lines; light red.

U. M. 003. Half of ring; grey; hard.

U. M. 004, 0023. Fragments, glazed. 004, grey with dark green glaze; Chinese (?). 0023, pink with mottled bright green glaze.

U. M. 005. Fragment with zigzags in relief and triangular dots; drab.

Glass.

U. M. 006, 009-0011. Fragments. 006, twenty-six pieces ranging from pale green to pale yellow. (*a*) with spiral thread dark blue inlay. 009, amethyst coloured fragment. 0010, translucent green. 0011, part of octagonal ring; deep blue.

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U. M. 007. Stem of wine-glass-shaped vessel with part of foot; amber-green.

U. M. 008. Part of spreading rim; two layers superimposed; pale brown.

U. M. 0012. Fragment of rod; opaque brown.

U. M. 0014, 0015. Beads on string; various shapes and colours; *see* also under Stone.

U. M. 0025. Half amalaka bead; pale blue.

Metal.

U. M. 0013. Bronze; thirteen fragments.

U. M. 0016. Lead sphere, pierced across top.

U. M. 0017. Bronze ring.

U. M. 0018. a. b. Bronze discs; pierced near edge.

U. M. 0019. Bronze fragments; four of wire, one of round-headed nail.

U. M. 0021. Iron nails (?); five.

U. M. 0024. Bronze strip, rolled into ring at narrow end.

Stone.

U. M. 0014, 0015. Beads on strings; one dome-shaped, grey; one drop-shaped, black; one pear-shaped, white; one cylindrical, sea-green; *see* also under Glass.

U. M. 0022. Fragment of bracelet; black.

Wood; carved and painted.

Ulūgh-mazār 01. Fragment of nimbus; circular with ogee extension above; *obverse:* in low relief, disc in centre with eight waving rays streaming from it to raised border. Lowermost ray not carved because it would have come behind neck of figure to which nimbus was attached. Between rays, lotuses with seed-cavities painted in. Border of petals placed cable-wise with pearls between; ogee extension carved as flame; remains of paint. *Reverse:* painted with seated Buddha; right hand in *abhaya-mudrā*; left, near right foot; red robe, green under-robe. Wheel symbol in palm of hand, swastika and sankha on soles of feet.

OBJECTS FROM TATIS NEAR ULŪGH-ZIĀRAT (U. Z.)

Metal.

U. Z. 02. Bronze seal, seven-sided; device: deeply cut lapidary Chinese character.

U. Z. 03. Bronze sheath ornament, fragment of one side, with floral ornament in relief.

U. Z. 06. Bronze buckle; D-shaped.

Stone.

U. Z. 01, 07. Seals. 01, square with pierced rounded back; device: a crane with ruffled wings. 07, irregular quadrilateral; loop handle (broken); device: four leaf-forms

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each lying along a side of the face, with stems running to centre where they are voluted; hole through centre.

U. Z. 04. Steatite miniature squatting monkey.

Wood.

U. Z. 05. Seal, round, with handle at back, broken; device: in intaglio a rat (?)-headed, stout figure, facing, sits holding sword in uplifted left hand and a mace, head downwards, in his right; small, sharp-pointed ears; triangular apron; broken away at one side where are two minute rivet (?) holes.

OBJECTS FOUND AT FARHĀD-BĒG-YAILAKI (F.)

Pottery.

F. 005. Terra-cotta spinning whorl.

F. i. b. 001. Terra-cotta fragment of bird's tail.

F. II. i. 1, 2, 4. Fragments from necks of vessels. 1, cyclindrical with cable bands and flutting; red. 2, with band of appliqué baluster (?) ornament and second band of jewels; light red. 4, slightly everted lip; red.

F. II. i. 3. Fragment with notched appliqué moulding and band of jewels; dark red.

F. II. i. 5. Terra-cotta fragment of model of phallus.

F. II. i. 6. Terra-cotta fragment of neck and fore part of winged-horse handle; *cf.* Yo. 0015. f. etc.

F. IV. 002. Terra-cotta appliqué ornament; head of smiling demon.

F. VII. a. Terra-cotta fragment of left side cast of thigh and leg of figure in squatting pose.

F. VII. b, c. Fragments of vesels. (*b*) dot-and-circle ornament; light red. (*c*) burnished; two incised lines between two rows of dots; light red.

F. XI. a. Fragment with carefully smoothed surface.

Glass.

F. 001. Fragment of decayed glass.

F. I. 008. Glass fragment from rim of vessel.

F. I. b. 002. a, b. Glass beads, blue; (*a*) barrel-shaped. (*b*) cubical with corners facetted.

F. I. b. 003. Glass ring; half only.

F. VII. 001. Glass bead, brown, with spiral, white, inlaid (?) line.

Metal.

F. I. b. 002. e. Bronze boss made of two-ply wire coiled spirally.

F. I. b. 004. Bronze strip with three rows of punched circles, five to a row.

F. I. b. 005. Bonze bezel of ring with toothed setting.

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Stone.

F. X. 001. Hæmatite pyramid, square; perhaps meant for seal.

Wood.

F. I. 007. Toy bow and arrow.

F. I. 0010. a-e. (*a*) Stick with crutch end. (*b*) stick with round flat head. (*c, d*) sticks, square in section, pointed at one end and notched at the other; perhaps mason's marking pegs. (*e*) part of key with four peg holes, all pegs but part of one, missing.

F. II. 002; IV. 001. Hair combs with rounded top.

F. II. i. 005. Carved frieze in imitation of textile valance; along top a plain flat moulding; below, a row of vandyke tabs between which appear two layers of similar shaped tabs, one short, superimposed upon a longer one.

F. II. ii. 01. Carved double bracket with socket in centre of under surface, for head of post. General effect is that of two double brackets, one resting on top of the other, the upper projecting at both ends beyond the lower. These projecting ends have their under surfaces sliced upwards and outwards, the flat soffit, which is a rectangular surface, carved with a four-petalled flower of the Gandhāra type, with a row of pearls forming midrib to each petal. Between petals appear the edges of a second whorl of petals which present, accidentally, somewhat the appearance of a lily bud. The outer faces of this upper bracket have two bands of billet moulding marking the upper and lower limits of what may be termed its abacus. The lower bracket has its own abacus of simple mouldings, the lower one being the same billet pattern. The under surface is hollowed out right and left from the central part, where the socket is, in upward sweeping curves, which drop sharply down at the outer ends before reaching the limits of the block. Reserved in this hollowed part are two large heart-shaped portions, flat on their under aspect and joining the reserved flat ends beyond the upward curved excavations. The whole is cut in a single block.

F. III. iii. 001. Fragment of statuette, left foot standing on lotus base; traces of gilding.

F. IV. 004. Part of "female" fire-stick with five hearths.

F. IV. 005. Model of arrow with triangular, barbed point.

F. IX. 001. Fragment of lathe-turned baluster.

F. XII. 003. Fragment of statuette of child (?); leg from above knee to heel; knee bent, edge of drapery above; traces of paint.

Wood: painted panels.

F. II. iii. 1. Buddha seated on blue lotus; white robe.

F. II. iii. 4. Standing Buddha on red lotus; right hand in *vitarka-mudrā*; dark red robe over dark green; hair, blue.

F. II. iii. 5. Seated Buddha on white lotus; white robe, grey bordered; much of the white is due to corrosion.

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F. II. iii. 6. Standing Buddha; inter-digital web shown on both hands; upper robe light brown; under robe grey; lower part of panel deep crimson with white foliage and large lotus bud in right corner.

F. II. iii. 002. *Obverse:* Buddha standing on lotus, right hand in *abhaya-mudrā;* three garments; outer robe white, bordered grey; second, deep red, bordered white; richly pleated; third, grey-green closely pleated, appearing on legs only. Lower part of panel, rich red with white flowering plants; in right lower corner a kneeling donor, hands folded; dressed in long (Uigur ?) coat with broad cuffs, large lapels and waist-belt; head-dress of Persian type.

Reverse: male figure on camel; moustache and "imperial"; long hair spreading behind shoulders; greenish-grey coat with white collar and cuffs and one broad lapel; sword-belt and straight sword; pantaloons, deep red with white spot pattern; black hessians. In right hand upheld, a patera; a bow hangs to left shoulder; left hand holds nose-string of camel. In front of camel kneels a small male figure as donor in same dress as rider and holding a large bud-like object with long stalk. Lower part of background, deep red, powdered with white flowers; to right and left, circular discs with Brāhmi inscriptions; a third disc above, to left.

F. II. iii. 004. Traces of standing Buddha in red robe.

F. XI. i. 001. Traces only, of paint.

Stucco.

F. I. b. 006, 007. Circular lotus plaques with seated Buddha. 006, no features and no paint left. 007, left knee raised; vesica lost; traces of paint; red clay mixed with fibre.

F. II. iii. 001. b, c. Fragments of Buddha plaques from large vesica.

F. II. iii. 003. Right foot on lotus; fragment of standing figure; traces of colour; hard white plaster.

F. VIII. 001. Fragment of bunch of grapes ? or hair; traces of blue, white plaster.

F. IX. 004, 005. Fragments; curls of hair; white plaster. 005 has traces of blue.

F. IX. 006. Fragment of palmette; white plaster.

Textiles.

F. II. i. 001. Mass of ex-voto scraps including plain silk, purple and green, and pieces of paper nibbled by mice; found at foot of image niche; *see* also under Paper.

Paper.

F. II. i. 001. Scraps from mass of ex-votos with traces of Brahmi characters; nibbled by mice; *see* also under Textiles.

F. IV. 003. Fragment with small trace of ink (?).

Leather.

F. I. 003. Bag made of skin of leopard's right paw with claws.

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Stone.

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Wood.

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Wood: painted panels.

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F. II. iii. 4. Standing Buddha on red lotus; right hand in *vitarka-mudrā*; dark red robe over dark green; hair, blue.

F. II. iii. 5. Seated Buddha on white lotus; white robe, grey bordered; much of the white is due to corrosion.

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F. II. iii. 6. Standing Buddha; inter-digital web shown on both hands; upper robe light brown; under robe grey; lower part of panel deep crimson with white foliage and large lotus bud in right corner.

F. II. iii. 002. *Obverse:* Buddha standing on lotus, right hand in *abhaya-mudrā;* three garments; outer robe white, bordered grey; second, deep red, bordered white; richly pleated; third, grey-green closely pleated, appearing on legs only. Lower part of panel, rich red with white flowering plants; in right lower corner a kneeling donor, hands folded; dressed in long (Uigur ?) coat with broad cuffs, large lapels and waist-belt; head-dress of Persian type.

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F. XI. i. 001. Traces only, of paint.

Stucco.

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F. IX. 006. Fragment of palmette; white plaster.

Textiles.

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Paper.

F. II. i. 001. Scraps from mass of ex-votos with traces of Brahmi characters; nibbled by mice; *see* also under Textiles.

F. IV. 003. Fragment with small trace of ink (?).

Leather.

F. I. 003. Bag made of skin of leopard's right paw with claws.

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F. I. 004. Bundle of leather thongs.

F. I. 005. Fragment of shoe-upper with stitching holes on two edges; carmine.

Grass and Fibre.

F. I. 001; XII. 001. Whisk-brooms made of bundles of grass.

Miscellaneous.

F. I. 006. Horn knife-handle broken in two.

F. I. b. 002. c, d. Fragment of coral, pierced lengthwise.

OBJECTS FROM BALAWASTE (Bal.)

Wood; painted.

Bal. 0133. Fragment with seated Buddha; robe, grey; lotus and nimbus, blue; ground, red.

Bal. 0134. Fragment with traces of red and blue paint on both sides.

Bal. 0135-0137. Three flakes, with cloud scrolls in white and pink.

Stucco.

Bal. 001-003, 006. Fragments of Buddha figures. 001, standing; breast to ankles; left hand at side. 002, head with nimbus. 003, standing, broken across neck and hips. 006, standing, lower part; traces of paint on drapery. All white plaster.

Bal. 004. Fragment of lotus wreath; traces of paint; *cf.* Kha. i. 009.

Bal. 005. Fragment of arm with fold of drapery below, and part of lotus-petal border; white plaster.

Bal. 048. Fragment of border; cabochon jewel surrounded by pearls, acanthus ornament below; white plaster.

Bal. 049. Fragment of Gandharvī, hand upraised; upper part; white plaster, burnt.

Bal. 050, 060. Gandharvī rising from open lotus, 060, head only; white plaster.

Bal. 051, 053, 075, 076, 091. Fragments of Gandharvīs floating, as Kha. i. C. 004. 051, head with part of halo. 053, head. 075, 076, complete; costume: beaded necklace, girdle with festoons over hips, armlets and large ear-rings; coiffure, loose and wavy over ears with high loop at crown tied with cinctures. Hands upraised holding festooned garland of jewels; body curved gracefully right to left, legs crossed; sole of right foot upturned. 091, head with part of nimbus; traces of paint; white plaster.

Bal. 052, 065, 077-080, 087-088. Buddha heads. 052, with bordered nimbus. 077-080, with nimbus. 087, 088, with nimbus; white plaster; some burnt.

Bal. 054. Gandharvī head and halo and upraised hands, white plaster, burnt.

Bal. 055. Fragment of plaque showing lower part of seated Buddha, hands covered by drapery in lap; *cf.* A. T. 0027; grey clay, slightly burnt.

Bal. 056. Fragment of clenched hand; thumb and two fingers: red clay, slightly burnt.

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Bal. 057. Human nose; plugs in nostrils (for facilitating casting) remains of paint; clay, burnt.

Bal. 058. Rosette; traces of paint; red clay, burnt.

Bal. 059. Pomegranite flower; white plaster.

Bal. 061, 067. a, b-070, 072-074, 086. Fragments of standing Buddhas 072-074, lower parts. 086, head with traces of gilding. Not all from same mould; traces of paint; white plaster.

Bal. 062-064, 066. Fragments of seated Buddhas, hands in lap. 062-064, heads. 066, upper part of face and head missing; red clay, burnt.

Bal. 071. Fragment of seated Buddha; head and halo missing; white plaster.

Bal. 081, 082. Lotus bases with Buddha feet resting on top; white plaster, burnt.

Bal. 083. Fragment of plaque of seated Buddha; plain circular vesica and nimbus; right side of vesica missing; white plaster.

Bal. 084. Fragment of Gandharvī (?) kneeling on one knee; lower half; traces of paint; white plaster.

Bal. 085. Fragment of drapery with remains of gilding; white plaster.

Bal. 089, 090. Two heads of Apsaras (?); grey plaster.

Bal. 093. Life-size thumb, traces of pink paint; soft clay mixed with fibre.

OBJECTS BROUGHT FROM KHĀDALIK (Kha.)

Pottery.

Kha. 03. Terra-cotta head of Bodhisattva with elaborate headdress.

Kha. i. 0037. Fragment, red; glazed bright green.

Kha. i. C. 003. Fragment from junction of neck and body of vessel with raised, milled collar; glazed dark green.

Kha. i. C. 00126. Terra-cotta fragment; appliqué coiled braid ornament.

Kha. ix. 0018. Fragment, red; glazed dark green.

Glass.

Kha. ix. 0022. Fragment of lip of cup with part of side ground into slightly concave-facets.

Metal.

Kha. 0019. Bronze seal, square, with two sides indented; intaglio; device: Y, with dot in spaces between limbs.

Kha. 053. Bronze spoon, "fiddle"-shaped.

Stone.

Kha. iii. 003. Malachite disc.

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Wood; painted.

Kha. 002. Fragment of panel; subject: shrine (?) domed, with pennon-like banners attached; *cf.* Kha. i. 0018, Kha. i. 0019.

Kha. 003. Fragment of panel; subject: part of head (?) with crimson nimbus.

Kha. 004. Fragment of panel; subject: red robe on green ground.

Kha. 004. a. Fragment of panel; subject: lotus, brick-red, with yellow centre surrounded by ring of white dots; a dull blue lotus overlapping.

Kha. 006. Fragment of panel; subject: parts of head and face.

Kha. 007, 008, 0010. Fragments of panels with traces of paint.

Kha. 009. Fragment of panel; subject: clasped hands and parts of red robe.

Kha. 0016. Fragment; subject: four seated Bodhisattvas, hands in lap; vesicas green bordered with maroon.

Kha. 0025. a, b. Two fragments of panels. (*a*) drapery, red and white against brown ground. (*b*) traces of paint.

Kha. i. 18+i. 1. a. Two fragments of panel painted on both sides; subject: *obverse:* seated Buddha with pearl-bordered vesica, right hand upraised holding some object; canopy of imbricated feathers; *reverse:* part of pink halo on dark red vesica; in corner a white, pointed vesica with flower-stalk and leaves.

Kha. i. 30. Fragment of panel; subject: *obverse:* seated (?) figure wearing elaborate head-dress and holding a circular object; *reverse:* seated Buddha; above, a *padmāsana;* damaged by fire.

Kha. i. 51. Fragment of panel painted on both sides; subject: *obverse:* part of figure against blue vesica; *reverse:* head and part of drapery of *śakti* (?); over right shoulder an arm with fruit between thumb and fingers; another arm seems to extend upwards on same side.

Kha. i. 194. Fragment of panel; subject: figure in dark red robe, seated on bolster-shaped cushion of chequer pattern in green and red; yellow drapery hangs from shoulders of figure. To left, figure in dark grey *dhōti* and green stole; seated with right leg in usual cross-legged position but the left leg raised with foot level with head; elbows well out and hands towards face; head and upper part missing.

Kha. i. 194. a. Fragment of panel; subject: (fragmentary), standing figure (?) in green robe; surface charred.

Kha. i. 195. Fragment of panel; subject: right side of figure seated or kneeling in adoration (?) on cloud; loin-cloth dark red; stole, pale green; cloud, pale green and pink.

Kha. i. 311. Fragment of panel; subject: seated Buddha in bright red robe; hands in lap; below *padmāsana* a grotesque, roughly sketched figure; some scribbling in ink on side chamfer.

Kha. i. 0018. Fragment with pendent triangles joined apex to apex: *cf.* Kha. 002.

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Kha. i. 0019. Fragment with traces of domical canopy with pendent triangles; *cf.* Kha. 002.

Kha. i. 0020. Fragment; subject: right elbow, thigh, part of nimbus and cloud-like *padmāsana*.

Kha. i. 0038. Fragment of panel; subject: flower (?) design and part of drapery (?) on yellow ground.

Kha. i. C. 0014. Fragment; subject: toes of left foot standing on green lotus against rich red ground.

Kha. i. C. 0015; i. E. 0035; ix. 0019. Fragment of panel in several pieces (now joined) painted on both sides; subject; *obverse:* upper part of animal-headed (rat ?) deity with slightly open jaws and egg-shaped head-dress in a "nest" of lotus petals; two feathers stuck into the "egg" and below these, two long bud-shaped objects; below these, the supporting *taenia*. Elaborate carcanet with pendent bells. Costume, pale green. *Reverse:* female (?) figure in close-fitting red garment with deep collar and cuffs; waist, narrow; right hand, closed, at breast; left slightly out from body, on chin level, holds some object. Crimped lock of hair in front of ear; diadem on head. Posture, perhaps sitting, thighs directed forward to l.p., knees lost. Costume is ornamented with white dots.

Kha. i. C. 0016. Fragment of panel painted on both sides; subject: *obverse:* seated deity, Gaṇesa (?) in scarlet *kurtā* with short bell-sleeves and tight long ones; right hand in lap or on thigh. *Reverse:* faint traces of paint; scored with knife-cuts.

Kha. i. C. 0017-0026. Fragments of panels similar to Kha. i. N. of c. base 001, *q. v.*

Kha. i. C. 0027. Fragment of panel painted on both sides; subject: *obverse:* towards lower end, head of coroneted figure of Persian type; above, fore-part of black horse with white markings, trotting to r.p.; thighs of rider in white-spotted red *dhōtī* or breeches, tucked into black top-boots; *reverse:* head and shoulders of figure.

Kha. i. C. 0028. Fragment; subject: probably row of seated Bodhisattvas.

Kha. i. C. 0029-0031. Fragments; defaced.

Kha. i. C. 0032. Fragment; subject: lower part of face; red halo; light green background.

Kha. i. C. 0033. Fragment from angle showing traces of paint on two contiguous sides, one being perhaps part of drapery.

Kha. i. C. 0034. Fragment in two pieces, now joined, showing draperies in pink, brown and light green.

Kha. i. C. 0035. Fragment showing cloud-scroll in shaded pink and pale green.

Kha. i. C. 0036, 0036. a. Fragment; subject: head with brown nimbus and coronet; flame-like pennant above.

Kha. i. C. 0037. Fragment with traces of flame scroll.

Kha. i. C. 0056. c. Fragment of panel; subject: seated Buddha in green robe and red upper garment, hands in lap on *padmāsana* of pink-centred green petals, brown sepals and yellow seed-table; below, a large eye and inner angle of its fellow; rest missing.

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Kha. i. C. 0057. a, b. Two fragments of panels; subjects: (*a*) traces of red and white drapery. (*b*) very small head.

Kha. i. E. 0031. Fragment; subject: seated figure (?) with ornamental head-dress and long black hair.

Kha. i. E. 0032. Fragment; subject: below, a blue lotus on light red ground; above, part of deep red drapery (?).

Kha. i. E. 0033. Fragment of panel; subject: four-armed seated figure against white vesica; two arms upraised, hands missing; others, left, resting with knuckles on hip; right, at breast holding an object.

Kha. i. E. 0034. Fragment; subject: horseman with flying bird at top of panel; rough sketch.

Kha. i. E. 0036. Fragment of panel with traces of paint on both sides.

Kha. i. N. of c. base 001. Fragment of panel in two pieces, now joined; subject: three seated Bodhisattvas, one nearly all missing; *cf.* Kha. i. C. 0017-0026.

Kha. i. N. of c. base 002, 003, 005. Fragments similar to Kha. i. N. of c. base 001.

Kha. i. N. of c. base 006. Fragment of panel; subject: probably figures with halos; near centre a rough indication of a tapering pilaster with stepped base and cap.

Kha. i. N. of c. base 007+Kha. ii. 0079. Fragment of panel; subject: shows portion of domical object with pennons.

Kha. W. 001. Fragment in two pieces, joined; subject: kneeling figure as Kha. i. 195.

Kha. i. W. 0018. Fragment; subject; probably standing Buddha on red lotus.

Kha. i. W. 0019. Fragment, perhaps part of preceding; subject: bright green leaf or feather-like object.

Kha. i. W. 0023. Fragment of panel; subject: top of head of Buddha.

Kha. ii. 4. Panel; subject: to r.p. four-armed seated Gaṇesa on bolster-shaped *āsana;* lower left arm on thigh, upper left holds circular object; lower right holds long radish at breast, upper right holds *cakra.* Long pleated ears; stole round lower limbs; blue *dhōtī:* head blue; straight tusks and short curled trunk; *mukuṭa* of petals. To l.p. Gandharvī rising from blue lotus from below which proceed curling leaves and scrolls. Short-sleeved *kurtī* with frills above elbow; *mukuṭa* of lobate forms with frontal jewel; hands together at breast.

Kha. ii. 0011. Fragment of panel; subject: part of face.

Kha. ii. 0078. Fragment of panel with traces of paint and part of *padmāsana.*

Kha. ii. 0079. Joined to Kha, i. N. of c. base 007, *q. v.*

Kha. ii. 0080. Fragment showing patches of brilliant colour, too fragmentary to convey any meaning.

Kha. ii. 0081. Fragment of panel; subject: right side of head, shoulders and breast of Buddha: above, part of straight *padmāsana.*

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Kha. ii. E. 004. Fragment of panel; subject: two rows of seated Bodhisattvas, hands in lap; on continuous *padmāsanas*.

Kha. ii. E. 005. Fragment; subject: lower portion of upper robe of Buddha with kilted under-garment hanging below.

Kha. ii. E. 006. Fragment shows drapery of standing figure (?).

Kha. ii. E. 007-0012, 0014. Fragments with traces of colour. 007, bright green, pink and red contour lines. 008, part of *padmāsana* with three toes of figure. 009, portion of red robe (?). 0010, part of red-brown drapery (?). 0011, part of figure in red-brown robe (?). 0012, bands of chocolate and grey and traces of green; probably part of 0011. 0014, traces of flesh-colour, black and green.

Kha. ii. E. 0018. a-l. Fragments of panel showing parts of drapery and (l) part of side of face.

Kha. ii. N. 0015. Fragment of panel; subject: near centre, head and shoulders of female figure with long veil-like head-dress and long black lock of hair falling in front of ear. To left, part of face and upper part of body of male figure in green garment; between the two, an object represented by red cross-hatching.

Kha. iii. 002. Panel with faint traces of paint.

Kha. iv. 5. Fragment of panel with faint traces of paint.

Kha. vi. 18. Fragment of panel: subject: lower part of standing figure on green lotus; robe, green, under-robe, white.

Kha. ix. 10. Fragment of panel painted on both sides; subject: *obverse:* three seated female figures, the centre one carrying a swaddled infant; *reverse:* upper part of three female figures; first to l.p. has in front of her a loom and holds in the right hand a weaver's comb (?); on background, two spindles charged with yarn, and a ball of yarn with two spindles stuck in it near her right shoulder. Second figure holds a piece of white cloth in left hand and a pair of shears in right; the white cloth seems to extend to r. p., past the next figure; probably connected with the story of the introduction of silk into Khotan.

Kha. ix. 58. Fragment of panel with traces of figure; right knee and right arm.

Kha. ix. 58. a. Fragment of panel with traces of paint.

Kha. ix. 60. Fragment of panel with traces of paint on both sides.

Kha. ix. 0020. Fragment of panel painted on both sides; subject: *obverse:* part of edge of vesica (?); red ground below on which is a pink object; *reverse:* a small figure in a dark brown *dhōtī* stands on a cloud (?) and bends slightly over.

Kha. ix. 0033. Fragment with traces of paint.

Kha. x. 1. Fragment of panel painted on both sides; subject: *obverse:* figure seated against a vesica; high Persian hat and close-fitting *kurtā; reverse:* figure in similar position to above and wearing similar hat but *kurtā* has long wide-mouthed sleeves. Both *kurtās* are ornamented with white dots.

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Wood.

Kha. 0017. Fragment, structural; bracket-like.

Kha. 0018; i. 003, 0036; ii. 0091; viii. 004; ix. 0025. Fragments of turned balusters, in various mouldings.

Kha. i. 9. Fragment of base, palmette executed in deep V-cuts with acanthus-like leaf hanging downwards at side; at one side, horizontal reeding.

Kha. i. 313. Fragment of writing-slip with string.

Kha. i. 0017. Modeller's spatula with broad sharp-edged end.

Kha. i. W. 0020. Tongue of flame from vesica border; leaf-shaped, with edging of tiny flames in relief on each surface.

Kha. ii. 004. Box, circular, turned; with rebate for lid; broken in three pieces and part missing.

Kha. ii. 0082; ix. 0026. Fragments from some baluster arrangement showing between turned ends a squared portion with mortises on opposite faces to take ends of connecting bars.

Kha. ii. N. 008. Seated Bodhisattva on lotus, hands in lap; on head a hat with upturned brim from which long hair or drapery hangs to shoulders; necklace; stole winding round arms; drapery from waist downwards; parts broken away; traces of paint.

Kha. ii. N. 0016. Fragment of elliptical *padmāsana;* base of a figure of which part of right foot remains.

Kha. iii. 004. Food bowl, lathe-turned, painted black.

Kha. v. 001; vii. 3; ix. 007, 0013. Wooden keys; *see* Note on lock p. 109.

Kha. v. 003. b. Cantilever or double bracket consisting of two parts (architecturally) as F. II. ii. 01. Between upper and lower main parts is a row of four evenly spaced lozenge-shaped apertures running from front to back; the upper part has billet moulding at lower margin of abacus and the ends of the upper part are sliced upwards as in F. II. ii. 01. Across face of upper part of lower section is a band of lozenge pattern in low relief with a volute at each end. A second band of billets lies below and the lowest member of the complete bracket has ends suggestive of classical porpoise-heads. Under surface has a socket for head of post.

Kha. vi. 8. Round stick, tapering towards ends, where knobs are formed; perhaps bow for drill.

Kha. vii. 2. Fragment of head slightly above life-size, showing part of hair (blue), forehead, eye and cheek; traces of paint and gilding; conventional work.

Kha. viii. 002, 003; ix. 0027. Fragments of lathe-turned finial knobs. 002 has square tenon projecting below.

Kha. ix. 11. a. Fragment probably from head-dress of statue.

Kha. ix. 11. b, 0012. Tumbler blocks from lock; *see* Note on lock p. 109.

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To face page 109.

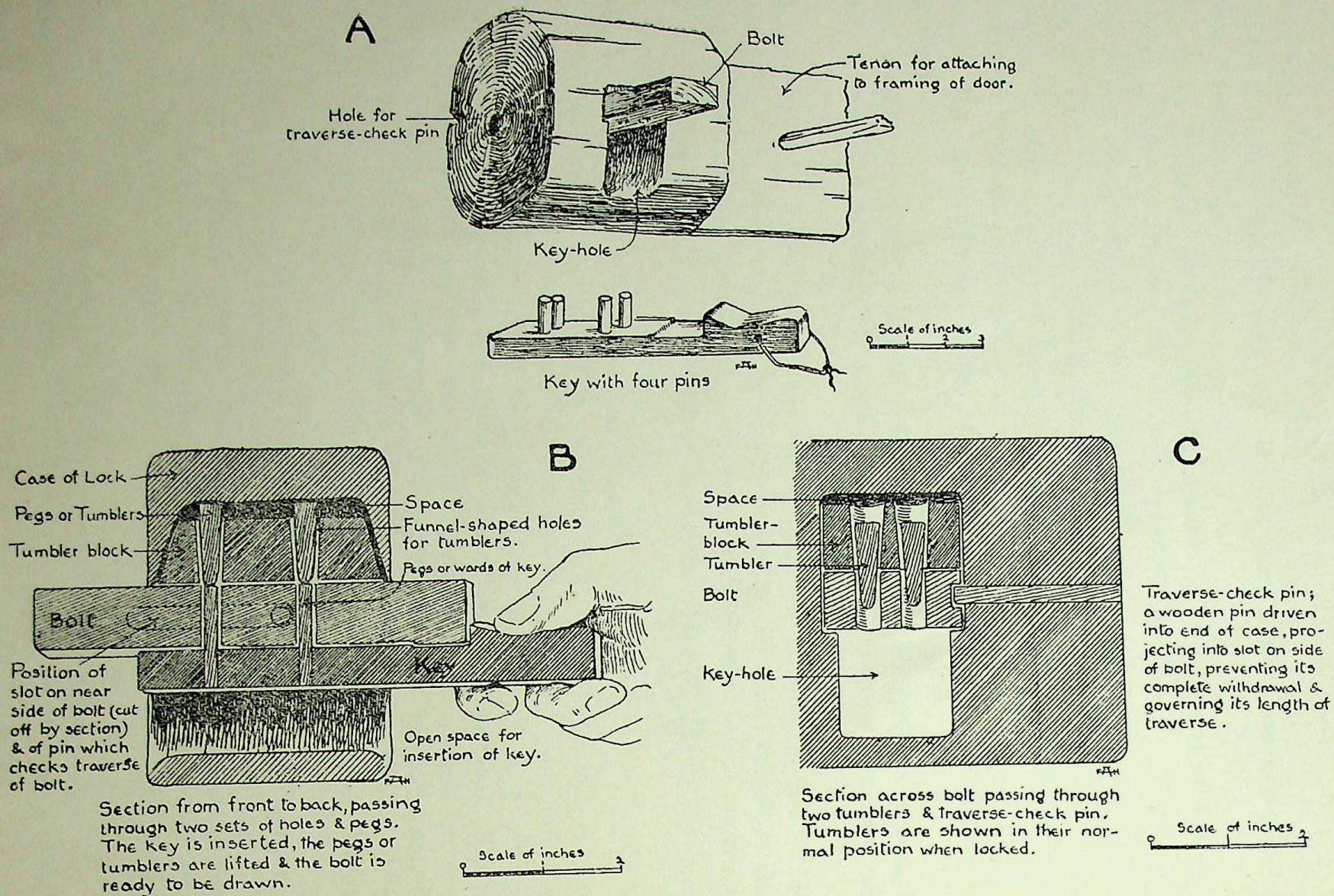

FIG. 3.—ANCIENT WOODEN LOCK AND KEY, FROM CHINESE TURKESTAN.

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Kha. ix. 13. Strip, broken away at one side.

Kha. ix. 14. Fragment delicately carved with pearl chevron band with half lotus in each triangle; Gandhara style.

Kha. ix. 001. Comb with arched back; sandal-wood.

Kha. ix. 0011. Lock-bolt; *see* note on locks, below.

Kha. ix. 0014. Oblong tablet.

Kha. ix. 0015. Short round stick, thin at ends and two notches at centre.

Kha. ix. 0031. Toe of shoe-last.

Kha. xi. 001. Spoon or scoop.

NOTE ON WOODEN LOCKS OF TURKESTĀN.—The lock consists of three principal parts: (1) the body or case; (2) the tumbler block with its tumblers; (3) the bolt.

The **Body** is a heavy block, of oblong section and of a length sufficient for fixing to the door or lintel by means of a broad tenon provided at one end and pierced with two dowels.

A hole for bolt and key runs transversely through the block and is of rectangular shape, broader in its upper than in its lower part, the difference in width being effected by two shoulders on which the lower edges of the bolt rest and slide. In interior upper part of block or case, a hollow is excavated for reception of tumbler block, which is hidden from view. Fig. 3. A.

The **Tumbler block** is a hard piece of wood about $\frac{3}{4}''$ thick and $2\frac{3}{4}'' \times 1\frac{1}{2}''$ on its lower face, the upper slightly smaller by reason of the two shorter sides being chamfered upwards; *see* Kha. ix. II. b, ix. 0012. In this block four or more funnel-shaped holes are drilled, narrow end downwards, and into these are placed the same number of loose tapering pegs of hard wood 1″ long and of such diameter that when allowed to drop, their narrow ends project through the holes for a length of $\frac{1}{2}''$, the broad ends preventing them from dropping completely through. Fig. 3. B, C.

The **Bolt** is a relatively long rectangular prism of wood with three of its lower edges slightly raised, that is to say, a broad flat shallow channel is sunk along its under-surface, reserving a narrow margin at the long sides which slide upon the shoulders cut in the case; and reserving also a small portion of the (outer) end; *see* Kha. ix. 0011. Holes are drilled vertically through the bolt, coinciding exactly, when the bolt is thrown, with the holes in the tumbler block above. In this position the loose tumblers project downwards into the holes and prevent the bolt being moved either way—in fact locking it. It will be seen that the tumbler block is free and rests upon the upper face of the bolt, thereby ensuring constant contact in spite of wear or shrinkage. Fig. 3. B.

To prevent the complete withdrawal of the bolt when unlocked and the consequent escape of the tumbler block, which would then be free to drop out, a deep groove is sunk in the outer vertical side of the bolt about $1\frac{7}{8}''$ in length and about centrally between the ends. A wooden peg of suitable diameter driven through from the outer end of the lock case, into the bolt chamber until it projects inside sufficiently to engage with the groove

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checks the traverse of the bolt in both directions. It is thus obvious that in putting the lock together the procedure would be, first, to insert the tumbler block with its loose peg, up into the hollow provided; then, to turn the case upside down so that the tumblers would retire; next, the bolt would be slid into its hole, and, finally, the peg (traverse check) would be driven through to make all secure. The lock would then be ready for fixing to door or lintel.

The **Key** is a flat rectangular prism of wood having projecting pins on its upper side, of size, projection and disposition corresponding with the holes in the bolt; *see* Kha. v. 001, etc. In use, the key would be thrust into the key-hole (the lower and narrow part of the transverse hole) and then lifted to bring the pins into the four holes in the bolt. Pressing them home, the tumblers would be lifted clear of the bolt which could then be withdrawn. Fig. 3. B.

The principle of this lock is probably very ancient and was very widespread. Aristophanes, in *Thesmophoriazusæ* makes the women complain that their husbands carried the patent Laconian key, described as having three teeth which seems to suggest this type of lock; an assumption strengthened by the example of a Roman lock probably from Pompeii and the collection of keys exhibited in the Greek and Roman Galleries of the British Museum. These are of metal and the tumblers of the lock are not free but are attached to a flat spring to force them into position. A bronze lock of a modified pattern, ascribed to the Romans, has recently been discovered in Syria. In Egypt, wooden locks more closely resembling the Kha. example, and of recent make (nineteenth to twentieth century) are found. A similar but more roughly made lock comes from Bornu, W. Sudan, while the keys of the treasury of the Mahdi at Dongola attest the use of a similar lock there. All of these later examples quoted, however, have metal pins in the key and metal tumblers in the locks and are less skilful in their construction than those of Central Asia. We may at present regard the Kha. lock as embodying local modification due to its entirely wood construction and to the mechanical and technical skill of the locksmith.

Stucco.

Kha. 001. Fragment of moulding composed of alternate bands of zigzag drapery edge and plain fillets; traces of paint; white plaster, burnt.

Kha. 0023; i. C. 0011. b, 0053; i. E. 004, 005, 008, 0018, 0041; i. S. W. 0012; ii. 001, 003, 005. a, 0010, 0015, 0016, 0024-0026, 0043-0051. a, b, 0090; vii. 002, 003, 008. Fragments of ornament composed of waving tongues of flame, sometimes leaf-like; from outer edge of vesica or from behind shoulders of large Buddha figures. 0023, traces of paint; red clay. i. C. 0053, traces of paint. I. E. 008, two overlapping bands, one red, other white; white plaster. i. E. 0018, high relief; white plaster. ii. 0010, leaf-shaped mass, green; white plaster. 0046, three bands; white plaster. vii. 002, 003, 008, leaf-shaped masses in very low relief; green and red; white plaster.

Kha. 01. Fragment from Buddha plaque; white plaster.

Kha. 02. Floral ornament.

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Kha. 05. Seated Buddha against lotus vesica; hands in lap, feet exposed; yellow robe; red clay.

Kha. i. 16, 29, 0011, 0023, 0024; i. C. 001, 0051, 00125; i. W. 001. Fragments of gilded white plaster, some with impress of fabric at back. i. 29, 0023, 0024, sticking to strips of buff fabric. i. C. 001, with remains of canvas backing. 0051, 0052, with canvas backing and traces of paint. 00125, with red lines.

Kha. i. 003. a, b, 0013, 0014; i. C. 0010; i. E. 002. a, b, 003+ii. 008, 0011; i. S. W. 008, 0013; i. W. 007, 0016; ii. 009, 0012, 0052-0058, 0065; ix. 0010. Fragments of vesica border of a band of pearls from which spring outwards, a border of curving petals.

Kha. i. 004, 0022, 0031, 0032; i. C. 0040; i. W. 002; ii. 0023, 0029. Fragments of standing Buddha figures resembling Kha. i. 006, etc. i. 004, right shoulder and breast. 0022, 0031, 0032; i. C. 0040 heads only. i. E. 0017, head and breast, painted; flesh with gilding. ii. 0023, left breast and thumb of left hand. 0029, head and feet missing traces of gilding and paint.

Kha. i. 006, 0010; i. C. 0042, 0047-0050; i. E. 001, 0012, 0013, 0015; i. W. 0011, 0021, 0022; ii. 0089; ii. S. W. 001; ix. 006. Fragments of standing Buddha figures on lotus base, right hand raised to breast, palm out; left hand at side holding fold of robe; long red robe with under green or black robe showing at ankles.

Kha. i. 007; ii. 0067. Circular plaque with seated Buddha, hands in lap. ii. 0067, upper part lost.

Kha. i. 008. Fragment of lotus with object resting on seed-table resembling a large calyx; blue.

Kha. i. 009+i. C. 0012, i. 0030; i. C. 005, 0043, 0045; i. E. 0020; i. S. W. 001, 004, 009; i. W. 009; ii. 002, 007, 0013, 0087; ix. 003, 004, 0016, 0017. Fragments of borders from large vesicas, composed of a sort of rope or garland of imbricated lotus petals tied round at intervals by single or double cinctures. In section it is half-round, the flat side being laid against and joined to the front edge of vesica field. The sections between alternate cinctures are variously coloured. i. 009+i. C. 0012, sections, crimson and dark blue cinctures, single. i. 0030, traces of green. i. C. 005, traces of orange paint; single cinctures. 0043, with double, sharp-edged cinctures. i. S. W. 003, 009, no cinctures; rows of five pearls (seeds) lying between sides of petals. i. W. 008, 009, sections red and green; cinctures probably gilded. ii. 007, 0013, 0064, 0087, cinctures formed of plain band and string of pearls. ix. 003, traces of blue on ground. ix. 004, sections blue and red. ix. 0016, sections red and green, double cinctures. ix. 0017, green, white plaster.

Kha. i. 0011. a+0012. Fragment of jewel; on ground alternately one large and two small studs; white plaster.

Kha. i. 0015; ii. 0075. Fragment of mould for vesica with flame border.

Kha. i. 0016. Fragment of mould of crescent-shaped locks of hair; white plaster.

Kha. i. 0027. Fragment of large lotus petal with canvas backing.

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Kha. i. 0033. Fragment painted with rectangular pattern of gold lines on black ground; backing of canvas and clay mixed with straw.

Kha. i. 0034, 0035. Fragments of two similar jewels, red clay with fibre.

Kha. i. C. 002. Fragment of human heel and ankle; white plaster with grass core.

Kha. i. C. 004, 009, 0039; i. E. 0038; i. W. 0017. Fragments of floating Gandharvīs looking left; nude; hands extended holding garland which swings in a festoon across lower part of body; legs lightly crossed and directed backwards; hair in high loose top-knot; white plaster with traces of paint; *cf.* Kha. i. C. 0041. etc.

Kha. i. C. 0041. Head of Gandharvī.

Kha. i. C. 0044; i. E. 007, 0021, 0023-0030; i. W. 003, 0015; ii. 006, 0014, 0020, 0022, 0069. a-d, 0072. Close spiral curls from Buddha heads; these are in form of "snail shells" and each is cast separately and then fastened in position as desired; traces of blue and gilding.

Kha. i. C. 0046; i. W. 0014; ii. 0034, 0036, 0088; ii. E. 002; vii. 009. Fragments of human hands. i. C. 0046, first and second fingers of colossal right hand; white plaster; traces of gilding. i. W. 0014, part of colossal hand (?) with traces of gilding; white plaster. ii. 0034, 0036, fingers, life-size; red clay. 0088, first two fingers of right hand, slightly bent; red clay, burnt, with inner layer of grey clay mixed with straw; coated white. ii. E. 002, two fingers and part of right hand and part of left hand; red clay with fibre; each finger with wooden core; modelling very good and skilful. vii. 009, upper part of right hand; fingers and top of thumb missing; bracelet on wrist; marks of some object grasped; white plaster, hollow, partly filled with clay; hand and arm cast separately.

Kha. i. E. 009. Head of Gandharvī.

Kha. i. E. 0014. Lotus base with feet and ankles of Buddha figure; white plaster; *cf.* Kha. i. 006, etc.

Kha. i. E. 0019. Left foot of small human figure; white plaster.

Kha. i. E. 0040, 0042; ii. 0059-0061; ii. N. 002-005, 0018; vii. 006. Fragments of drapery. i. E. 0040, red ground, gold stars; clay with straw. 0042, striped red, green and brown; red clay coated white. ii. 0059, curved and vertical folds; white plaster. ii. 0060, from same mould as preceding; white plaster. ii. 0061, from same mould as Kha. ii. N. 002, etc.; traces of red; white plaster. ii. N. 002-005 (from one mould), valance-like, in regularly repeating pleats causing lower edge to take a festooned line; very decorative; traces of paint; white plaster. ii. N. 0018, similar to preceding. vii. 006, horizontal curves and vertical folds; red; lining, green; white plaster.

Kha. i. N. 001, 002; ii. 0066; ii. C. 003; ii. N. 0017; ii. N. W. 003; ii. W. 002, 003. Fragments of plaques with Gandharvī in adoring pose, knees slightly bent, hands together; long robe and stole; diadem on head; oval flame-bordered vesica; clay; burnt.

Kha. i. S. W. 0011. Fragment of seated Buddha on lotus, hands clasped in lap, feet covered; circular vesica with outer flame-border; most of right side lost; clay, burnt, dull, red.

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Kha. i. W. 0010, 0013. Fragment of conventional cloud or foliage ornament; white plaster.

Kha. ii. 0017. Fragment of lotus petal with lobes and central rib very prominent; traces of crimson paint; white plaster.

Kha. ii. 0027. Top-knot; red clay with fibre; painted white.

Kha. ii. 0028. Fragment of Gandharvī on lotus base; in adoration; head and upper part of vesica lost; traces of paint; white plaster.

Kha. ii. 0030. Upper part of Gandharvī; arms raised level with shoulders as though holding garland.

Kha. ii. 0039. Fragment of circular ornament; a pearl border with outer ring of petal-like loops of drapery (?); within, a human head in conventional foliate scrolls; white plaster.

Kha. ii. 0071. Fragment of right arm, bent, with hand open; red clay with fibre.

Kha. ii. C. 001, 002, 007, 008. Models of stupas in soft grey clay, some with fragments of paper adhering.

Kha. ii. C. 005. Fragment; top of lotus seat with left hand and part of body of seated Buddha.

Kha. ii. E. 001. Fragment of conventional acanthus leaf ornament; traces of crimson paint; red clay.

Kha. ii. E. 0016. Fragment of large lotus petal and beginning of a second; red clay.

Kha. ii. N. 006. Fragment; upper part of front of skull; eye-sockets, blue-black; three parallel lines united by cross lines painted across brow; white plaster.

Kha. ii. N. 009. Fragment of standing Buddha similar to Kha. i. 006, etc., but larger; white plaster.

Kha. ii. N. 0013. Mould for casting open right hand; thumb, first and part of second fingers remain; white plaster.

Kha. ii. N. 0014. Circular mould for casting lotus plaque with seated Buddha; white plaster.

Kha. ii. N. W. 001. Fragment of human foot on crimson base; white plaster.

Kha. ii. N. W. 002. Small knob, semi-spherical; hollow; blue-black; red clay.

Kha. ii. N. W. 007. Fragment of seated Buddha, hands clasped in lap; red robe and other traces of colour; white plaster.

Kha. iii. 001. Circular jewel with pearl setting; white plaster.

Kha. vi. 001. Fragment of flame-border from vesica; red clay; with much fibre.

Kha. vii. 007. Fragment of Gandharvī figure in devotional attitude as Kha. i. N. 001 etc., but different mould; head and right side of vesica lost; traces of paint; white plaster.

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Kha. viii. 001. Fragment of mould for rosette with lotus petals below on either side of double pearl stem; white plaster.

Kha. ix. 002, 005. Fragments of Buddha figure; right hand at breast, palm outwards; white plaster.

Textiles.

Kha. i. 87. Fragment of silk, painted with pink flower surrounded by pink-centred green lotus-petals; also scrap of pink-brown damask.

Kha. i. 0026. Two fragments of painted silk; very fine texture; one with right hand uplifted (?) and floral ornament adjoining; other, with traces of paint; also a small piece of woollen "braid".

Kha. ii. N. 19. Fragment of painted silk; floral design; fine texture; brittle.

Kha. v. 004. Bag of cotton pods and raw cotton.

Paper.

Kha. i. 50. Sketch of human figures in various poses.

OBJECT FOUND AT KUSHUK-ASTE SITE.

Glass.

Kushuk-aste 001. Fragment, dark green.

OBJECTS FROM DARABZAN-DONG (Dar.)

Wood; painted.

Dar. 001. Panel; subject: seated divinity with *śakti* seated on his right thigh profferring a small *katōra* with her right hand; very defaced and almost illegible.

Wood; general.

Dar. 007. Fragment from end of double bracket, showing three receding planes (like Ionic architrave) and voluted modillion below; traces of paint.

Stucco.

Dar. 002. a-d. Four fragments with traces of plant; white plaster with impression on back of straw mixed with clay.

Dar. 003. Fragment of vesica border of pearls and lotus-petals; *cf.* Kha. i. 003.

OBJECTS FROM KUDUK-KÖL.

Wood; painted.

Kuduk-köl 08. Fragment of panel painted on both sides; subjects: *obverse:* three horsemen riding to r.p.; middle horse, dappled; rider in top-boots, holding *katōra* in right hand; rear horse, black mane, rider wears top-boots and sword; front seems similarly equipped; *reverse:* traces of horsemen; all much defaced.

Kuduk-köl 09, 010. Fragments of panels with traces of paint.

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Wood; general.

Kuduk-köl 01. Fragment of circular halo; outer border, flame pattern; inner border, cable of zigzag and pearls; on field, upper parts of three Buddha figures; carving extremely good.

Kuduk-köl 03, 04. Finials, lathe-turned; tenon below; traces of paint.

Stucco.

Kuduk-köl 05, 06. Fragments of imbricated lotus-petal border from vesica. 05, with flames at outer edge; traces of paint. 06, without flames; traces of paint, grey plaster, burnt (?).

Kuduk-köl 07. Fragment painted pink; red clay surface.

Kuduk-köl 018. Fragment of hair, blue; red clay with fibre.

Kuduk-köl 019. Left eye of Buddha, half-closed; painted pale pink with black and red lines; white of eye shaded with blue; red clay with fibre.

OBJECTS FROM KARA-YANTAK (K. Y.)

Wood; painted.

K. Y. I. 0021. Fragment of panel; subject: a row of seated Buddha figures; upper part of two only; traces only.

Wood; general.

K. Y. I. 0020. Fragment of statuette; lower part of seated Buddha figure; feet crossed, soles up; drapery shown in parallel ridges.

Stucco.

K. Y. I. 003. Head, shaven except for back of head whence hair spreads forward in curve over each ear and a triangular lock from crown falling over forehead; red clay.

K. Y. I. 004. Head of Buddha; traces of paint; white plaster; *cf.* Chal. 004, etc.

K. Y. I. 005, 006. Fragments of standing Buddhas. 005, left side from waist. 006, from middle of chest to thighs; *cf.* Chal. 004, etc.

K. Y. I. 007, 008. Fragment of floating Gandharvīs. 007, to right. 008, to left; all above waist and below knees lost. Traces of paint; *cf.* Kha. i. C. 004; white plaster.

K. Y. I. 0012-0015. Votive oval lumps with stamped impression of seated Bodhisattva with one leg down resting on small lotus; holds long-stemmed lotus in left hand; *Avalokiteśvara* (?)

OBJECTS FROM MAZĀR-TOGHRAK (M. T.)

Wood.

M. T. ii. a. Key with six pegs, four missing, one broken: *cf.* Kha. v. 001, etc. *See* Note on locks, p. 109.

M. T. ii. b. Lock bolt; six holes and groove for check-pin; *cf.* Kha. ix. 0011. *See* Note on locks, p. 109.

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M. T. 32, 41, 47, 48, 60, 62, 64, 66-69, 71, 72, 75, 76, 78. Tablets for writing, generally with hole at one end: traces of Chinese writing on 60.

M. T. 58. a-n, 79. Slips for writing.

M. T. 001. Round stick tapering to knobbed ends; *cf.* Kha. vi. 8.

Stucco.

M. T. i. 1. Fragment with traces of gilding; white plaster.

Paper.

M. T. 009, 0010. Fragments of two similar drawings of horse. 009, hind legs, tail and back with high pomelled saddle. 0010, hind legs and tail; black outline and red wash.

OBJECTS FROM HĀSHA.

Pottery.

Hāsha 001-004. Fragments made from ill-levigated clay; hard; grey and red.

Textiles.

Hāsha 005. Fragments of woollen fabrics, with some buff cord and fine wool.

OBJECTS FROM NŪRA.

Pottery.

Nūra 001-004, 006. Fragments of vessels. 001, with stump of handle and simple incised ornament; red-brown. 002, from rim and neck; light terra-cotta 003, very hard, terra-cotta 004, light red. 006, light slip with painted black bands.

Nūra 005. Terra-cotta fragment of drapery (?)

Stone.

Nūra 007. Fragment of mica-schist.

Keriya and Niya sites.

The oasis of Keriya is about 20 miles ESE. of Domoko oasis and is not an ancient site. The Keriya river runs north and south through the oasis and about 100 miles N. on a dried-up arm of the river is the KARA-DONG site.

About 60 miles eastward along the road from Keriya is the Niya oasis, and in the desert 63 miles due north of the oasis is the ancient NIYA SITE. 30 miles SE. of this site is YĀR-TUNGAZ and further east and slightly south is ENDERE site, about 65 miles from the ancient Niya site.

OBJECTS FROM KARA-DONG (Ka.)

Pottery.

Ka. 003. Fragment from handle; on outer side a seal-like impression; device: horse, rampant.

Ka. i. 0018. Fragment; coarse; brick-red.

Metal.

Ka. 001, 002. Bronze wire; 001, bent and flattened at ends as for a handle. 002, bent almost into a ring.

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Wood.

Ka. I. 004. Stick; weaver's (?)

Ka. I. i. 001. Tablet, rectangular; hole at one corner; traces of paint.

Ka. III. 001, 002. Fragments, roughly carved.

Miscellaneous.

Ka. I. 0011. Piece of gourd.

OBJECTS FROM NIYA SITE (N.)

Pottery.

N. III. 03. Loop handle of large vessel.

N. XIV. 007. Fragment with diagonal incised lines.

N. XLII. 02. Terra-cotta spinning whorl.

N. XLII. i. 08. Fragment of shoulder of vessel with incised ornament; red.

N. XLII. i. 09. Fragment of neck of vessel; black.

N. XLIII. 03. Fragment of vessel of *stamnos* type with incised zig-zag ornament round shoulder; red.

N. XLV. 02. Mouth and shoulders of *amphora* type of vessel; red.

Glass.

N. 0018. Glass bead, blue.

N. 04. c-f. Glass beads. (*c*) barrel, facetted, blue. (*d*) hexagonal, blue. (*e*) barrel, black. (*f*) lenticular, yellow.

N. 05. a-d. Fragments of glass beads. (*a*) spherical, millefiori. (*b*) drum, blue, glass. (*c*) millefiori, glass. (*d*) drum, white, glass.

N. 09. Glass beads, various; *see* also under Miscellaneous.

N. 010. Glass beads, various; *see* also under Metal and Stone.

N. 011. Two glass beads; one spherical, one cylindrical.

N. 014. Seven glass beads, various; two with white line ornament; *see* also under Stone.

N. XII. 005, 006. Glass beads.

N. XII. 0010. Glass beads; one gilded, eight blue, five black, three green, three white, one yellow; *see* also under Miscellaneous.

N. XXIV-III. 02. Three glass beads, green and blue; *see* also under Stone and Miscellaneous.

N. XXIV. 0012. Twenty-two glass beads, various; *see* also under Metal and Stone.

N. XXIX. 007. Fragment of bead, blue.

N. XXX-XXXII. 003. Glass bead; lentoid, facetted, blue; threaded on bronze wire.

N. XXXV. 006. Glass pendant (mounted in silver), round, convex; *see* also under Metal.

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N. XLII. i. 06. Glass fragment, drop-shaped; opaque black.

N. XLII. i. 07. Fragment of black slag.

Metal.

N. 009. Bronze holdfast.

N. 0010. Bronze "grelot" bell.

N. 0013. Fragment of bronze plate.

N. 0017. Bronze nail; octagonal head.

N. 0020. Bronze seal; square.

N. 0022. Bronze ring; octagonal.

N. 0023. Bronze ornament; fragment.

N. 0024. Fragment of bronze wire.

N. 0036. Bronze seal-ring; device: rough linear.

N. 01, 02. Two bronze discs; concave, pierced; iron pin on 02.

N. 03. Gold ear or nose ring; filligree and grain work; roughly star-shaped.

N. 04. a, f. (*a*) bronze "grelot" bell. (*f*) bronze fragment.

N. 05. f. Bronze fragment.

N. 06. Bronze buckle with iron tongue and rivet.

N. 07. Fragment of bronze rod; spoon handle (?)

N. 010. Fragment of bronze, pierced, and fragment of Han coin; *see* also under Glass and Stone.

N. 012. Fragment of bronze hinge; pear-shaped.

N. 013. Bronze ring of strip metal.

N. 015-019, 022-024. Bronze fragments. 015, plate, drilled. 016, rosette, stamped from sheet. 017, ring. 018, buckle, cast. 019, wire ring. 022, strip, doubled, drilled. 023, disc with loop. 024, ornament, double cone connected by bar.

N. 021. Bronze arrow-head; three barbed blades round tubular centre.

N. 025. Fragment of cast iron caldron with one claw-foot and loop handle.

N. XII. 001. Bronze seal-ring; device: incised.

N. XII. 002. Bronze ring, jewel lost.

N. XII. 003. Fragment of bronze sheet from armour (?)

N. XII. 004. Bronze wire ring.

N. XII. 007. Fragment of bronze rod.

N. XII. 008. Bronze seal-ring; device: illegible.

N. XII. 0011-0017. Bronze fragments. 0011, sheet from armour (?). 0012, corroded. 0013, sheet, pierced at each end. 0014, ring, jewel lost. 0015, rod. 0016, 0017, wire rings.

N. XII-XXVII. 001. Fragment of brass wire.

N. XII-XXVII. 003. Bronze seal-ring; linear device.

N. XIII. ii. 002. Iron spud or skewer with ring handle.

N. XIV. 009. Bronze disc with flat strip threaded through slit near edge.

N. XIV. 0010, 0011. Fragments of bronze plate.

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N. XIV. iii. 0031. Bronze strip.

N. XIV. iii. 0032. Iron arrow-head with solid ring.

N. XXIV. 007-0011. Bronze fragments. 007, wire. 008, lozenge-shaped plate. 009, rivet. 0010, bead. 0011, sheet.

N. XXIV. 0013. Fragment of bronze hoop, rope-like ornament outside.

N. XXIV. 0014. Fragments of bronze "grelot" bell.

N. XXIV. 0015. Fragment of bronze wire ring.

N. XXIV-III. 01. Bronze disc with domed centre.

N. XXX-XXXII. 001. Bronze seal-ring with crude device.

N. XXXV. 003. Bronze ring.

N. XXXV. 004. Bronze button with two loops at back.

N. XXXV. 005. Bronze rod, curved.

N. XXXV. 006. Silver pendant, circular, in form of ring of pearls; suspension loop and two rings at back; glass jewel; *see* also under Glass.

N. XLI. 4. Bronze rod.

N. XLI. 5. Bronze spoon, handle and top of bowl.

N. XLI. 01. Fragment of cast-iron caldron, similar to N. 025; handle and part of side.

N. XLI. 02, 03. Bronze finger rings.

N. XLII. i. 04. Lump of oxidised iron.

N. XLII. i. 013. Fragment of iron rod.

N. XLIII. 04. Lump of oxidised iron.

Stone.

N. 0011. White pebble bead.

N. 0016. Fragment of turquoise matrix.

N. 0019. Lentoid bead; white.

N. 0021. Spherical cornelian bead.

N. 04. b-g. (*b*) circular lignite ornament; four lobes; two outer ones drilled (*g*) brown pebble.

N. 05. e. Fragment of lignite bead.

N. 08. Fragment of hæmatite.

N. 010. Cornelian beads; *see* also under Glass and Metal.

N. 014. Fragment of cornelian bead; *see* also under Glass.

N. XII. 009. Jade chip.

N. XII. 0010. Beads; *see* also under Glass and Miscellaneous.

N. XIV. ii. 007. j. Fragment of black shale, drilled at one corner.

N. XX. 001. Half of square lignite seal; device: spiral with serrated outer edge.

N. XXIV. 0012. Cornelian bead, spheroid, facetted; black hæmatite ring; *see* also under Glass and Metal.

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N. XXIV-III. 02. Cornelian bead, with others; *see* also under Glass and Miscellaneous.

N. XXIV-III. 03. Pebble, brown.

N. XXX-XXXII. 002. Steatite handle of some implement.

N. XLII. i. 01. Cornelian bead; spherical.

Wood; general.

N. 002. Fragment of bowl with piece of felt inside; *see* also under Textiles.

N. 0030. Stick of *jigda*.

N. 0031. Stick of mulberry.

N. III. 01, 02. Square billets; 02 with one side split away.

N. III. 04, 05. Specimens of apple-wood.

N. III. 06. Plain scantling.

N. III. 07. Baluster, massive and boldly turned.

N. III. x. 01. Mouse trap with two devices cut on it; one, a swastika and the other a kite-shape.

N. III. x. 02. Fragment of rim of bowl.

N. III. x. 03, 04. Pair of supports with segmental depressions at one end as though to fit some kind of roller.

N. III. x. 05. Fragment like simple architectural, circular capital, chamfered round lower edge.

N. III. x. 07. Fragment of grain scoop (?); handle and part of body only.

N. III. x. 08, 09. Mouse traps.

N. III. x. 010. Spatula with broad blade.

N. III. x. 014-017. Four lathe-turned balusters.

N. III. x. 018. Object in form of disc with block attached; a hole cut through block; all in one piece.

N. III. xi. 01, 02. Two chair legs (?)

N. III. xii. 01. Capital, rectangular, lower edges chamfered.

N. V. xv. 007, 008. Strips, small hole at one end of 007.

N. V. xv. 009, 0010. Seal cases.

N. XII. i. 2. Double bracket, carved with saw-tooth, zig-zag and lotus enrichments.

N. XIII. 01. Agricultural fork with four prongs; cleverly made.

N. XIII. 02. Fragment of wooden tray with raised border carved in lozenge pattern to suggest imbrications.

N. XIII. i. 001. Fragment of panel, carved with zig-zag bands of cable and half-lotuses of square quatrefoil type in triangular spaces.

N. XIII. i. 002. Crutch-shaped object.

N. XIII. i. 003. Box, cut in one block; a pair of holes for strings half way up two opposite sides.

N. XIII. i. 004. Leg of chair (?) upper part carved as N. XIII. i. 001.

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N. XIII. i. 005. Fragment of leg similar to preceding with part of rail (?) or panel attached by dowel and carved with circular lotus and imbrications.

N. XIII. v. 001. Fragment from rim of bowl.

N. XIV. iii. 008, 009, 0015. Modeller's tools (?) spatulas.

N. XIV. iii. 0010, 0017. Seal cases.

N. XIV. iii. 0012-0014. Sticks.

N. XIV. iii. 0020. Stick.

N. XIV. iii. 0021. Beating-stick (?) lacquered red.

N. XIV. iii. 0022. Oblong label (?)

N. XIV. iii. 0023. Strip, lacquered brown one side, red the other.

N. XIV. iii. 0024. Anchor-shaped object; *cf.* L. B. IV. ii. 009.

N. XIV. iii. 0037. Chair leg; lathe-turned.

N. XVI. i. 001, 003. Sticks.

N. XVI. i. 002. Stick with arm at right angles like shoemaker's rule.

N. XIX. 001, 002. Shoe-lasts.

N. XIX. iii. 4. Part of bowl, lacquered, outside black with red band; inside, red over black with floral wreath design in black.

N. XXI. 2. Bottom of bowl, lacquered outside black; inside red; broken in antiquity and mended with riveted metal plates, plates lost.

N. XXII. 001. Stick with bark on; fire-drill (?)

N. XXII. iii. 001. Knife-handle.

N. XXIII. 002. Stamp, oval; handle on back; device: cow and man.

N. XXIII. i. 001. Part of bowl, lacquered black on outside edge; red inside.

N. XXIII. ii. 001. Comb.

N. XXIII. ii. 002. Seal case, unfinished.

N. XXIII. ii. 003. Fragment of box-lid (?); roughly circular; plano-convex; convex side lacquered brown with traces of red line.

N. XXIII. ii. 004. Stick; hair-pin (?)

N. XXIV. 002. Stick, U-shaped; "dead-eye" pulley for tightening load on pack animal.

N. XXIV. 003. Peg.

N. XXIV. 005. Stick.

N. XXIV. 006. Strip with projecting point from opposite ends of one side; perhaps a gauge.

N. XXIV. iv. 002. Double bracket, carved on the sides with billet and imbricated mouldings; under surface: divided into three sections, the centre with socket for post and the sides with circular and oblong rosettes.

N. XXIV. vi. 001. Part of board with raised frame carved with double row of "dog-tooth."

N. XXIV. viii. 47, 004. Strips like N. XXIV. 006.

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N. XXIV. viii. 62. Strip with two notches on opposite edges.

N. XXIV. viii. 005. Oblong block with five holes down middle.

N. XXIV. viii. 006-008, 0012. Sticks. 006, 0012, with raised central collar.

N. XXIV. viii. 009. Strip like N. XXIV. viii. 62, but with more notches.

N. XXIV. viii. 0010. Stick; needle for carpet-work.

N. XXIV. viii. 0011. Stick; square hole at one end; handle for drill (?)

N. XXIV. viii. 0013. Mouse-trap; spear-head-shaped with large hole at broadest part, and central longitudinal groove: near hole, six small peg-holes: at end, a seventh; in use, hole is placed over mouse-hole and on emerging the mouse releases an arrow which travels in groove and shoots him.

N. XXIV. viii. 0015. Stick, cherry (?)

N. XXVI. 01. Cupboard on four legs; legs roughly "lion" pattern; cable moulding round top surface; top charred from accidental burning.

N. XXVI. 04. a-d. Four fragments of cupboard similar to preceding, but smaller.

N. XXVI. 05, 06. Pair of capitals or balusters.

N. XXVI. 07-09. Three specimens of wood.

N. XXVI. 010. a, b. Fragments of carved architrave from doorway; patterns of carving: band of imbrications executed in the usual "chip" carving manner; beside this a band of billet pattern.

N. XXVI. 011. Socket or "striking plate" for wooden lock.

N. XXVI. iii. 1. Beam with socket in lower surface for post; carved on three faces. Each side is divided into three nearly equal parts by raised zig-zag bands; centre has globular vase from which springs undulating vine (?) with large bunches of fruit. In each side section is a grotesque quadruped in fawning pose, snout towards vase. All the animals have the long lion-like tail recurved over back in double-curve and the creatures on one side are winged and on the other wingless. The winged creatures have rather crocodile-like heads and armoured necks. The others are rather horse-like. Under-surface is carved at ends: lotuses and pearl bands, lozenge diaper, etc. All work rough and recalls Romanesque tympana decoration in Europe. Cut into three sections for transport.

N. XXVI. vi. 12. Fire-stick, female; several "hearths".

N. XXVI. vi. 001. Seal case.

N. XXVI. vi. 002. Knife-handle.

N. XXVII. 001. Comb.

N. XXIX. 002. Oval smoothing tool for plastering; plasterer's "float"; handle at back, broken.

N. XXIX. ii. 001. a. Fire-stick, female; seven "hearths" along one side.

N. XXIX. ii. 001. b. V-shaped stick with piece of goat-hair string attached: "dead-eye" pulley. This and the preceding object were found attached to each other by the string.

N. XXXV. 002. Flat piece, wedge-shaped; hole near broad end.

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N. XXXVII. ii. 001. Peg with raised collar at middle.

N. XXXVII. ii. 002. "Dead-eye" pulley; *cf.* N. XXIX. ii. 001. b.

N. XXXVII. ii. 004. Fragment of furniture, roughly carved; a narrow board slightly convex at one edge; surface divided into six parts, the alternate parts square with four-petalled flower within a circle; the intermediate parts are each divided into two by a plain band with a series of five or six gently curving arcs running across each space; very shallow carving.

N. XXXVIII. 001, 002. Specimens of wood; 001, *jigda*; 002, apricot.

N. XXXIX. 001. a, b. Two willow (?) sticks.

N. XLI. 003. Part of comb.

N. XLI. 005. Fire-drill (?) ends charred.

N. XLI. 007. Object with blade on one side like ladle.

N. XLI. 008. Pen (?)

N. XLII. 01. Bowl, lathe-turned.

N. XLII. 04. Rough, disc-like object.

N. XLII. 05. Block of mulberry.

N. XLII. i. 03. Cleat, probably from loom.

N. XLII. i. 010, 011. Two discs, drilled through centre.

N. XLII. i. 012. Crutch-shaped object, as N. XIII. i. 002.

N. XLIII. 01. Spoon with leaf-shaped bowl; handle broken away.

N. XLIII. 02. Crutch-shaped object as N. XLII. i. 012.

N. XLIII. 05. Clamp.

N. XLIV. 01-013. Specimens of wood. 01, 012, *jigda*; 02, 09, peach; 03-07, vine; 08, apricot; 010, 013, apple; 011, walnut.

N. XLV. 01. Mouse trap; *cf.* N. XXIV. viii. 0013; five-pointed star incised on under side.

N. XLV. i. 01, 02. Discs; 01, with cord firmly attached through holes in centre.

N. XLV. i. 03. Sandal-maker's last.

N. XLV. i. 04. Butt of arrow shaft.

N. XLV. i. 05. Cleat.

N. XLV. i. 06. Segmental-shaped object with dowel driven through.

N. XLV. i. 07. Disc with grooved edge, like pulley wheel; probably from loom.

N. XLV. i. 08. Triangular fragment.

Textiles.

N. III. x. 012. Fragment of goat's-hair fabric; coarse and closely woven.

N. III. x. 013. Piece of woollen cloth; loose plain weave; brick-red.

N. XLII. 03. Fragment of woollen fabric; crimson.

N. XLII. i. 014. Fragments including woollen canvas, red; felt, buff; piece of fibre rope and small hank of woollen yarn.

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N. XLV. i. 010. Fragment of coarse woollen fabric woven in stripes, dark brown, buff and red; thick cord warp widely spaced.

Leather.

N. III. x. 06. Fragment, thick "green".

N. XXIV. viii. 002. a, b. Two fragments, tanned; and piece of thong.

N. XXIV. viii. 0014. Fragment, buff.

Fibre and Grass.

N. XIV. iii. 0026. Grass broom.

N. XXIII. 003. Part of basket.

N. XXIII. i. 002. Part of basket.

N. XXIX. 003. Part of grass broom tied round with plaited goat's hair.

Miscellaneous.

N. 0014. Kauri shell, pierced as for bead.

N. 0014. d. String of beads including shell; *see* also under Pottery, Glass and Stone.

N. 0022. Roughly carved flower in shell, pierced with two holes; with various beads; *see* also under Pottery, Glass and Stone.

N. 09. Beads of shell and seed; *see* also under Glass and Metal.

N. III. x. 011. Fragment of gourd, drilled for suspension.

N. XII. 0010. Bone bead, with others of various materials; *see* under Glass and Stone.

N. XIV. 002, 003. Wheat.

N. XIV. iii. 0027. Millet (*tārigh*) grain.

N. XIV. iii. 0029, 0030. Wheat.

N. XIV. iii. 0034. Horn seal; device: linear, unfinished (?)

N. XXIII. ii. 005. Oval, trough-like piece of horn; inkwell (?)

N. XXIV-III. 02. Shell bead, with others; *see* also under Glass and Stone.

N. XLI. 004. Piece of gourd; inkwell (?)

N. XLI. 006. Piece of horn, similar to N. XXIII. ii. 005.

N. XLII. i. 02. Bowl of horn spoon with continuation for attachment to handle, shaved to wedge-shape for splicing and drilled with two dowel holes.

N. XLII. i. 05. Two peach-stones and two half-shells.

N. XLII. ii. 01. Oat straw.

N. XLIV. ii. 01. Oats.

N. XLV. i. 09. Piece of horn; conical.

OBJECTS FROM YĀR-TUNGAZ TĀRĪM (Yart.)

Pottery.

Yart. 001-007. Fragments, red, discoloured in places to black. 001, loop handle. 002, with incised festoons. 003, from rim. 004, black inside, red outside. 005, from neck, made

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separately and afterwards attached to body before firing; punched ornament. 006, rim. 007, rim.

OBJECTS FROM ENDERE SITE (E., E. Fort, E. Stupa)

Pottery.

E. 001. Part of rim of vessel; white granulations.
E. 003. Part of rim of vessel.
E. 004. Fragment, coarse; red.
E. Fort 001. b. Fragment; coarse; black-grey.
E. Fort 0020. Fragment; grey; glazed green.
E. Stupa 0012. Terra-cotta handle, ground flat and smooth at broken side.

Glass.

E. 009. Glass ring of blue and yellow twisted rods.
E. 0010. Fragment of glass vessel; outside, three hollow-ground facets.
E. 0011. Glass fragment, pear-shaped; ornament detached from surface of vessel.
E. 0012, 0013. Fragments from edge of glass vessel.
E. 0022. Bead, glass; brown.
E. 0033. Fragment of glass rod, moulded part of handle (?)
E. 0035. Beads, glass various; one gilt; *see* also under Stone.
E. VI. 0013. Fragment of glass vessel with part of hollow-ground oval on surface.
E. VI. 0014. a-c. Beads, glass. (*a*) Opaque blue. (*b*) Translucent, blue. (*c*) Spheroid gilt.
E. Fort 003, 0021. Fragment of blown-glass vessel with raised slip bars.
E. Fort 004. Fragment of glass vessel; on surface, a raised, moulded oval medallion with hollow-ground surface and rayed border.
E. Fort 005. Fragment of glass vessel with two channels on surface.
E. Fort 006. b. Glass ring-bead.
E. Fort 007. Fragment of glass bead; gilt.
E. Fort 009. Fragment of glass ring-bead; brown.
E. Fort 0027. a, b, d. Beads. (*a*) Blue glass. (*b*) Yellow glass. (*d*) Green glass.
E. Stupa 001, 002. Fragments of glass vessels with raised slip bar.
E. Stupa 003. Glass fragment; dark blue.
E. Stupa 004, 0011. Glass beads; blue.
E. Stupa 006. Fragment of glass bead; green.

Metal.

E. 006. Lead rod; tapering.
E. 007. Bronze wire.
E. 008. Bronze arrow-head; three blades; no barbs.
E. 0014, 0016-0020. Fragments of bronze rings.
E. 0021. Bronze disc.

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E. 0024. Bronze nail.

E. 0026. Bronze plate with rivet-holes.

E. 0027. Fragment of bronze buckle.

E. 0028, 0031. Fragments of bronze sheet. 0028, drilled. 0031, with incised rings.

E. 0029. a-c. Bronze fragments. (*a*) reeded band from handle of dagger. (*b*, *c*.) rings.

E. 0030. Bronze tang.

E. Fort 006. c. Bronze ring.

E. Fort 008. Fragment of bronze sheet.

E. Fort 0019. Bronze bezel of ring; oval; device: indistinct.

E. Fort 0023. Fragment of bronze "grelot" bell (?)

E. Fort 0024. Bronze disc; drilled.

E. Fort 0025. Bronze dome-headed stud; gilt head.

E. Stupa 005. Bronze D-buckle-ring.

E. Stupa 007, 008. Bronze "grelot" bells.

E. Stupa 0010. Bronze wire rings, ends overlapping with spiral coil on each end.

Stone.

E. 0015. Fragment of jade ring; white.

E. 0034. Pebble; spherical; yellow.

E. 0035. Cornelian bead; *see* also under Glass.

E. VI. 001. Shale disc; pierced.

E. VI. 002. Piece of crystalline quartz.

E. Fort 006. a. Cornelian bead.

E. Fort 0027. c. Fragment of cornelian.

Wood.

E. VII. 002. Bowl, lathe-turned.

Miscellaneous.

E. VI. 0012. Kauri shell.

E. Fort 001. c. Bone knife-handle.

Charchan and Charkhlik sites.

The CHARCHAN oasis is 100 miles NE. of Endere and VĀSH-SHAHRI, 100 miles ESE. from Charchan and about 25 miles in a SE. direction from the Charchan river.

SHĀH-TOKHTANNING-KÖLI is 145 miles NE. from Charchan along the Charchan river.

Cha kḥlik oasis is 170 miles NE. of Charchan and about 40 miles NE. of Vāsh-shahri. KOYUMAL lies on the south edge of the Charkhlik oasis and BĀSH-KOYUMAL $1\frac{1}{2}$ miles south of that point.

OBJECTS FROM CHARCHAN (Char.)

Pottery.

Char. 001-007. Fragments of vessels. 001, from neck and mouth; incised ornament. 002, coarse clay. 003, pale yellow to red. 004, coarse; incised circles between annular lines. 005, incised line; red, black on surfaces. 006, 007, coarse; red, black outside.

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Glass.

Char. 0012. Glass pendant, pear-shaped; pale blue.

Char. 0023. Blown glass fragment; opaque green.

Metal.

Char. 0014-0017, 0019, 0021. Fragments of bronze buckles. 0014, hinge for tongue with two rivets. 0015, D-loop, with two rivets. 0016, similar to 0015, three rivets. 0017, link with oblong hole. 0019, square plate with oblong opening; rivets at corners. 0021, plate with broken hoop at end.

Char. 0018. Bronze strip widening at both ends; triangular hole one end; short tongue at other end.

Char. 0020. Fragment of bronze plate with projecting boss, pierced; central part of Chinese mirror (?)

Char. 0022. Nodule of iron ore; meteoric (?)

Stone.

Char. 002. Crystal bead; rectangular; corners chamfered.

Char. 009-0011. Beads. 009, jade, white. 0010, agate. 0011, cornelian artificially striped with white by heat process.

Char. 0013. Turquoise matrix.

OBJECTS FROM VĀSH-SHAHRI (V. S.)

Pottery.

V. S. 003, 004. Fragments. 003, incised ornament. 004, incised wave ornament. Red with black discoloration.

V. S. 009, 010. Fragments, chipped round and pierced, as whorls.

V. S. 0014. Fragment of bowl; glazed dove-grey; grey porcellaneous body; Chin-chou, Sung.

V. S. 0016. Fragment of vase; glazed deep olive-brown, mottled; buff body.

V. S. 0017. Fragment of vase; glazed dull dark grey-bronze; fine grey body; Chinese.

V. S. 0020. Fragment from rim of vase; thin smear of transparent glaze; buff body Chinese.

V. S. 0022. Fragment of base-ring of vase; glazed with circle of brown-green celadon inside; grey body; Chinese, Sung (?)

V. S. 07-011. Fragments of glazed stoneware.

V. S. 014. Fragment of rim and side of bowl; glazed brown (at rim) to mauve (below); slightly crackled; porcellaneous frit body; Chinese.

V. S. 015. Fragment; glazed dull blue; dark grey body.

V. S. 016. Fragment; red and black in fracture.

V. S. 018. Fragment; glazed very pale green, crazed; fine porcellaneous frit body.

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V. S. 019. Fragment of bottom and ring-base of bowl; glazed green-blue, thick where it has run down; dark grey body.

V. S. 021-023, 028. Fragments 021, gritty, pale red. 022, well washed red. 023, badly washed, dark red to black. 028, red.

V. S. 027. Fragment of mouth and shoulder of large vessel; red.

Glass.

V. S. 005. a-i. Fragments of blown glass; opaque jade-green.

V. S. 006. a, b. Blown glass fragments; opaque jade-green with crinkled ribbon of glass applied.

V. S. 007. a. Glass bead; blue-green.

V. S. 0024. a-g. Seven fragments, blown glass; rather opaque jade-green.

V. S. 0025. Handle of glass vessel; opaque jade-green.

V. S. 0026. a-d. Glass beads; (*a*) bugle, opaque blue. (*b*) ring, opaque blue. (*c*) cube, bevelled corners; translucent dark blue. (*d*) spheroid; translucent brown.

V. S. 0029. Glass fragment, concave, raised line on concave side; opaque brown.

V. S. 0038. Glass bead; turquoise blue.

V. S. 0040. Glass bead, half-ring; yellow.

V. S. 02-05. Four glass fragments; dull green.

V. S. (Fort) 06. Fragment of neck of glass vessel; wavy band applied; obscure, green.

V. S. 013. Glass fragment; translucent, olive-green.

Metal.

V. S. 0035. Bronze boss with scalloped edge.

V. S. 0036. Bronze weight (half).

V. S. 0037. Bronze weight.

V. S. 0042. Bronze slag.

V. S. 0043. Twelve bronze fragments.

V. S. 0044. Bronze tongue, snake-head (?) end.

V. S. 0045. Bronze buckle-catch.

V. S. 0046. Bronze strip, folded, held together with iron pin.

V. S. 0047, 0048, 0050. Bronze arrow-head fragments.

V. S. 0049. Bronze wire, flattened and bent.

V. S. 0051. Bronze sheet, crumpled.

V. S. 0052. Silver ornament from belt-strap (?); oblong hollow case partly lead-filled; design: a tree; Chinese style.

V. S. 0053. Bronze hair-pin.

V. S. 0060. Bronze ring; elliptical.

V. S. 01. Copper seal ring.

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Stone.

V. S. 007. b. Crystal pendant; pear-shaped.
V. S. 008. Fragment of quartz; yellow.
V. S. 0028. Jade pendant, flat oblong; light green.
V. S. 0030. Stone fragment; sulphur-coloured.
V. S. 0032. Quartz fragment; bluish-white.
V. S. 0034. Cornelian fragment.
V. S. 0039 Ruby matrix fragment.
V. S. 017 Jade flake; one side polished.
V. S. 020. Marble fragment; pink.

Wood.

V. S. 0041. Comb; two rows of teeth.
V. S. 0061. Disc; roughly cut.
V. S. 024. Fragment; rectangular; hole through centre and a Chinese character at one side.

Miscellaneous.

V. S. 0027. Stick of Chinese ink; octagonal.

OBJECTS FROM SHĀH-TOKHTANNING-KÖLI.

Pottery.

Shāh-tokhtanning-köli 001-005. Fragments; coarse, hand-made. 004, glazed, green outside.

Shāh-tokhtanning-köli 006. Terra-cotta whorl with incised ornament.

OBJECTS FROM KOYUMAL (Koy.)

Pottery.

Koy. II. i. 01, 03, 04. Fragments; glazed green outside 01, with black line; coarse red body.

Metal.

Koy. II. ii. 01. Fragment of bronze plate; from mirror (?)

Wood.

Koy. 01. Fragment, carved; part of open-work canopy (?)
Koy. I. 01. Four fragments of panels with traces of paint.
Koy. I. 02. Part of right hand of figure; life-size; two fingers and part of a third; web between fingers; gilded.
Koy. i. 03. Fragment, painted with floral ornament in colours.

Stucco.

Koy. I. 03. Fragment of spiral curl of hair; blue.
Koy. I. 04. Fragment, painted; unintelligible.

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Koy. I. 048. Fragment of band with painted floral ornament; clay with goat's hair.

Koy. I. 049. Fragment of arm or leg with painted drapery, pale pink with pink and blue flowers, *semè*.

Koy. I. 050. Fragment from leg of seated figure, painted green; fibrous clay surface.

OBJECTS FROM BĀSH-KOYUMAL (B. Koy.)

Wood.

B. Koy. 06. Fragment; lozenge-shaped; tenon at end.

B. Koy. 07. Knob, pear-shaped with tenon at thick end.

B. Koy. i. 01. Fragment; carved on one side with *gradini* in relief; traces of paint.

B. Koy. i. 02. Fragment.

B. Koy. i. 06, 07. Two pegs; square with large bevelled square heads.

Stucco.

B. Koy. 02. Fragment of arm or leg, painted pink; red clay; reed core.

B. Koy. 03, 04. Fragments of drapery, painted pink; fibrous clay.

B. Koy. 05. Fragment; curved; gilded, fibrous clay.

B. Koy. 08. Top of head covered with close ammonite curls; friable clay.

B. Koy. i. 05. Head of Buddha, nearly life-size; painted pink; friable clay with fibre.

Textile.

B. Koy. 01. Fragments of silk from banners; red, white and yellow; on one a Chinese character in black.

Lop sites.

Charkhlik has been identified by Sir Aurel Stein as Marco Polo's Lop and the following sites may be considered as lying within the ancient Lop territory:—

MĪRĀN, about 45 miles NE. of Charkhlik.

The ancient sites in the Lou-lan desert, N. of Mīrān, distinguished by the initials L. A., L. B., etc., and certain Camps indicated by the initial C., followed by a Roman or Arabic numeral. These desert sites extend to a distance of about 100 miles N. of Mīrān.

OBJECTS FROM MĪRĀN (M.)

Pottery.

M. I. 0063. Fragment of large vessel showing incised band and comb-drawn festoon and a Tibetan character (?)

M. I. iv. 009. Fragment ground into whorl.

M. I. iv. 0012, 0013. Spinning whorls.

M. I. iv. 0021. Bowl; red.

Glass.

M. 0013. b. Bead; glass; millefiori.

M. I. 0095. Glass, blown; "bull's eye" from base of vessel.

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Metal.

M. 007, 0010. Bronze fragments; sheet.

M. 008. Bronze stud.

M. 009. Iron fragment; from arrow-head (?)

M. 0011. Fragment of bowl of bronze spoon.

M. I. 0058, 0072. Fragments of bronze plate. 0058, perhaps from armour. 0072, with two rivets.

M. I. 0073. Fragment of bronze plate, square; holes at corners; slit near edge.

M. I. ii. 0041. Fragment of bronze plate, doubled, with piece of felt-covered wood between.

M. I. iv. 0017. Fragment of bronze plate; rivet-holes.

M. I. xv-xvi. 002. Fragment of bronze plate.

M. I. xv-xvi. 003. Bronze slag.

Stone.

M. 0012. Fragment of steatite, square one end, round at other.

M. 0013. a. Cornelian bead.

M. I. iv. 0020. Quartz rod (broken); polished.

Wood.

M. 0018. Strip; hole near end.

M. I. 0064, 0065. Writing slips; blank.

M. I. 0066. Label; blank.

M. I. 0067. Handle of key; hole near end; *see* Note on lock, p. 109.

M. I. 0075. Stay for well-bucket.

M. I. 0089. Piece of comb.

M. I. 0093. Fragment of bottom of lacquered bowl; red and black.

M. I. i. 4. Seal case.

M. I. i. 004, 0014. Pieces of combs.

M. I. i. 005. Fragment of writing slip; blank.

M. I. i. 006. Strip; notched; knotted leather thong over notch; *see* also under Leather.

M. I. i. 0015. Ring, lathe-turned.

M. I. ii. 003. Tally-stick, notched.

M. I. ii. 0029. Strip, curved; lacquered over canvas; red inside, black outside; from tray (?)

M. I. ii. 0030. Spatula.

M. I. ii. 0031. Stay for well-bucket.

M. I. ii. 0032. Fragment of cup; lacquered over canvas; red inside; black outside.

M. I. ii. 0039. a-d. Fragments of bowl; lacquered; red inside, black outside.

M. I. ii. 0040. Label; blank.

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M. I. iii. 003. Fragment of comb.

M. I. iv. 0014-0016. Writing slips; blank.

M. I. iv. 0022. Cylinder, hollow.

M. I. iv. 0028, 0029. Fragments of combs.

M. I. iv. 0030. Bottom of box or tray; lacquered over canvas; black and red.

M. I. viii. 005. Key; three pegs; *see* Note on lock, p. 109.

M. I. viii. 007. Key; two pegs; split in making and bound with string; *see* Note on lock, p. 109.

M. I. viii. 008-0010. Weaving sticks.

M. I. viii. 0011. Writing slip; blank.

M. I. viii. 0012. Pen.

M. I. viii. 0013. Bridge of musical instrument.

M. I. viii. 0014. Fragment of cylindrical box; lacquered red inside, black outside.

M. I. viii. 0015. Stick; knob at each end.

M. I. ix. 009. Stick; part of arrow (?)

M. I. xix. 005. Fragments of birch-bark; stained and lacquered red.

M. I. xxi. 001. Fragment of bottom of box, as M. I. iv. 0030.

M. I. xxiv. 005. Weaving stick.

M. I. xxiv. 006. Stay for well-bucket.

M. I. xxiv. 0037. Needle.

M. I. xxvi. 003. Tally-stick, notched.

M. I. xl. 0014. Pen.

Textiles.

M. I. 0080. Felt pad; filled with powdered charcoal; pounce-bob (?)

M. I. ii. 0035. Silk damask; green, discoloured.

M. I. xiii. 001. b. Skein of goat's-hair yarn on stick.

M. I. xv-xvi. 001. Three fragments of woollen fabric; plain; red to buff.

M. I. xx-xxi. 002. Piece of woollen twill fabric; pink-buff.

M. I. xx-xxi. 003. Three pieces of woollen fabric; sewn together; salmon-coloured.

M. I. xx-xxi. 005. Fragments of flat woollen band; plaited; shoe-string (?)

M. I. xx-xxi. 006, 007. Fragments of woollen fabric.

M. I. xxi. 004. Two fragments of woollen *darri*; design: fret; red, yellow, green, blue.

M. I. xxi. 007. Bundle of woollen yarn; red.

M. I. xxiv. 001. Ball of woollen yarn; light blue.

M. I. xxvii. 001. Square of silk polychrome fabric sewn into small pouch containing sandal (?) powder; pattern: Chinese; weave, loose and weak; colours, blue, purple, green and salmon.

Paper.

M. I. xliv. 0010. Fragment; very dirty; blank.

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Leather.

M. I. 0068. Scale of armour; oblong; lacquered red and black; lace-holes.
M. I. 0069. Five armour scales.
M. I. 0070, 0071. Two fragments of armour as preceding.
M. I. i. 002, 003. Six armour scales as preceding; bronze rivets in some.
M. I. i. 007. "Buckle" and thong; dark red outer surface.
M. I. i. 0010. Two cuttings of fine tanned lambskin (?)
M. I. ii. 0028. Fragment; lambskin (?) with some wool adhering; stitching marks.
M. I. iv. 008. Strip, doubled and twisted.
M. I. iv. 0011. Fragment of armour-scale, lacquered red and black.
M. I. vi. 001. Fragment of armour, "green" leather; lacquered red and black; probably from shoulder-piece.
M. I. ix. 002, 003. Fragments of scale armour.
M. I. ix. 004. Fragment of armour-scale, lacquered red and black; ellipse and crescent device (incomplete) on outside.
M. I. x. 006. Fragment of armour-scale; lacquered red and black; large square hole near centre.
M. I. xiii. 001. c. Fragment of armour-scale.
M. I. xv-xvi. 004. Fragment of armour-scale; lacquered black on both sides; bronze rivet near edge.
M. I. xxiv. 0040. Fragment of scale-armour.

Fibre and Grass.

M. I. ii. 0026. Reed arrow shaft.
M. I. viii. 0016. Reed, section.
M. I. xiv. 0073. Fragment of string net.
M. I. xx-xxi. 004. Fragment of string net.
M. I. xxiv. 009. Reed pen.
M. I. xlii. 003. Reed pen.

Miscellaneous.

M. 001. Specimens of millet grain.
M. 0017. Fragment of horn comb.
M. I. 0057, 0060. Wheat grains.
M. I. i. 008. Leaf of apricot.
M. I. ii. 0027. Half of gourd (?) turned inside out.
M. I. ii. 0033. Fragment of horn cup, with holes drilled in side; *cf.* M. I. ii. 0032.
M. I. iii. 002. Head of millet.
M. I. iv. 006. Wheat.
M. I. viii. 006. Horn seal; no device cut.
M. I. viii. 0018. Part of vertebræ of bird (?)

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M. I. viii. 0019. Rib-bone of rabbit (?)
M. I. viii. 0020. Flat piece of horn; oblong hole in middle.
M. I. xvi. 001. Bar of horn, showing saw or file marks.
M. I. xxvii-xxviii. 001. Ears of bearded wheat or barley.
M. I. lviii. 002. Strip of horn.

In or near Temple M. II.

Pottery.

M. II. a, b, d, e. Fragments; red.

Wood.

M. II. 009, 0010. Two half-balusters; lathe-turned.

Stucco.

M. II. 002. a, b. Fragments of drapery from large figures; painted red. (*a*) top of right thigh and lower part of abdomen. (*b*) left shoulder, part of neck and breast; traces of paint; red clay with hair.

M. II. 006. Buddha head, life-size; "snail-shell" hair; traces of paint; clay with fibre.

M. II. 0012. Back of head; "snail-shell" hair applied in separate curls (as usual).

M. II. 0013. Fragment of left hand holding fold of drapery; traces of paint.

Fibre and Grass.

M. II. 001. Reed arrow shaft, lacquered; remains of feathers and binding.

M. II. 005. Fragments of coarse hemp string.

Stūpa cella M. III.

For wall paintings see separate catalogue.

Wood.

M. III. 0024. Cylindrical block, waisted; roughly hollowed; holes for square-ended pegs or spokes; suggests hub of wheel; traces of paint.

Textiles.

M. III. 0064, 0065. Strips of silk; red; remains of paste at back and fragments of stucco adhering.

Mīrān Site.

Pottery.

M. III-IV. 01, 03-09. Fragments; coarse; red.

Glass

M. IV. 01, 02. Two pendants; long oviform, ribbed; opaque, cobalt-tinted.

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Shrine M. V.

Wood.

M. V. 01. Boss; conical, truncated; iron through centre.

M. V. 001. Fragment of capital and shaft; Gandhāra acanthus type of capital; traces of paint.

M. V. 003. Fragment of capital of similar type to preceding; double volute at angle; traces of paint.

M. V. 006. Lotus with iron pin in centre.

M. V. 008. Fragment of rosette; traces of paint.

M. V. 0010. Disc, lotus-shaped with iron pin through centre; traces of paint.

M. V. 0011. Fragment of panel; traces of paint.

Shrine M. X.

Pottery.

M. X. 003. Fragment; surface shows marks of toothed smoothing tool; brown.

Textiles.

M. X. 001. Girdle of soft silk, much worn; cream-coloured.

Ruins at Mīrān Site.

Wood.

M. XIV. 007-009. Three carved fragments of ornamental band; a square meander nail-head band and square rosettes in the hollows.

M. XIV. 02, 03. Box, with lid; lathe-turned; lid slightly conical; lacquered black, with painted ornament in yellow and grey; almost obliterated.

M. XIV. 04-06. Three carved fragments; on each an elongated half-rosette rising from a band of nail-head ornament; the same motif is found on armlets of Bodhisattvas.

M. XIV. 010. Fragment, carved with nail-head band.

Stucco.

M. XIV. 01. Fragment, gilded.

M. XV. 0020. Fragment of head of old man; nose and all below missing; painted pink with black eyebrows.

M. XV. 013. Fragment of demon's head; wide grinning mouth, flat nose; traces of paint.

M. XV. 015. Head of Bodhisattva, life-size: fine type, well modelled; hair in heavy tresses, curtained over brow and three tresses looped at sides; ears covered; very brittle.

M. XV. 016. Fragment of arm with armlet formed of a jewelled band and below, a rosette with swirling petals.

M. XV. 017. Head of Bodhisattva, life-size; lower band of *mukuṭa* jewelled, hair missing; painted flesh colour, contoured red; thin moustache painted on, black; lips rich red.

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M. XV. 018. Fragment of head of Buddha, rather above life-size; chin, ears and top of head lost; eyes nearly closed; traces of paint.

M. XV. 019. Buddha head similar to preceding; hair remains and is in rows of crescent curls behind whorl of curls over forehead; blue; all below upper lip lost.

Miscellaneous.

M. XV. 01-012. Fragments of human bones.

OBJECTS FOUND ON DESERT MARCHES NORTH OF LOP-NOR (C.)

Stone implements, etc.

C. 121. 0012. Quartz flake.

C. 121. 0013-0023, 0029-0031, 0034, 0035, 0037, 0038, 0043, 0044, 0046, 0048. Jasper flakes, blades, cores, etc.

C. 121. 0024. Limestone pebble.

C. 121. 0025, 0026. Lumps of volcanic stone (slag).

C. 121. 0027. Lump of serpentine.

C. 121. 0039-0042. Slate splinters.

C. 121-122. 001. Slab of sandy slate.

C. 121-122. 003, 004. Jasper lumps and core.

C. 121-122. 005-007. Lumps of volcanic stone (slag).

C. 122. 003-005, 007, 009, 0010, 0010. a, 0011. a, 0012. a, 0013-0020, 0022, 0024-0026, 0028-0038, 0040, 0047, 0048. Jasper blades and flakes.

C. 122. 0011. Black slate flake.

C. 122. 0039. Chert flakes.

C. 122. 0042-0046. Quartz flakes.

C. 122. 0051. Limestone fragment.

C. 122-123. 001-003, 005-008, 0010-0014. Jasper blades and flakes.

C. 122-123. 004. Quartz flake.

C. 122-123. 0015. Lump of slag.

C. 127-128. 001. Jasper lump.

C. 127-128. 002. Chalcedony blade.

C. 127-128. 004. Serpentine bead.

Pottery.

C. 121. 001-009. Fragments, coarse, hand-made.

C. 122. 001. a. Fragment with incised "herring-bone" pattern.

C. 122. 002. a, 003. a, 004. a, 005. a, 007. a, 008. a, 009. a. Fragments, coarse hand-made.

C. 125. a, b. Fragments; coarse, hand-made. (*a*) with ring handle.

C. 125-126. 001. Fragment; coarse, hand-made; black.

C. 125-129. a-c. Fragments; coarse, hand-made. (*a*) impressed chain ornament.

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C. 125-129. d. Oval object (half), pierced lengthways.

C. 127-128. a-d. Fragments; coarse, hand-made.

Metal.

C. 121. 0050. Bronze arrow-head; pierced for tang.

C. 122. 0021. Bronze seal-ring; oval bezel; device: two long-necked gryphons (?) running.

C. 123. 001-003. Bronze arrow-heads, type (a); 003, with iron tang.

C. 123. 004. Point of iron nail or pin; square.

C. 123. 005. Strip of bronze; from mirror (?)

C. 125. 001. Bronze spear-head; leaf-shaped with central rib.

C. 125-128. 001. Iron key with four teeth and trace of fifth.

C. 125-129. e. Bronze chip.

C. 126. 002, 003. Fragments of bronze mirror; Chinese; 002, rayed inner border; Han (?)

C. 126. 004. Fragment of bronze blade.

C. 128. 001. Fragment of bronze spear-head; long leaf-shaped, central rib and tang.

Wood.

C. 127-128. 005. Ball with projecting point.

Miscellaneous.

C. 127-128. 006. Snail (?) shells.

OBJECTS FROM LOU-LAN SITE BETWEEN CAMP xciii AND L. A. (C. xciii, C. xciii-L. A.)

Stone implements, etc.

C. xciii. 010, 013-015, 018-021, 024-026, 035-063, 082-084, 086, 088-098, 0100-0140, 0158-0162. Blades and flakes.

C. xciii. 016, 017, 085. Points, leaf-shape.

C. xciii. 022, 0151. Scrapers.

C. xciii. 023, 0143, 0148, 0150, 0153, 0154. Fragments, worked.

C. xciii. 028. Hemisphere, grey and white; marbled.

C. xciii. 087. Implement; tapering one end; cut askew the other end.

C. xciii. 099. Arrow-head.

C. xciii. 0141, 0146. Jade celts.

C. xciii. 0142. Celt, dark grey, mottled.

C. xciii. 0149. Core.

C. xciii-L. A. 01-07. Blades, jasper and chert.

C. xciii-L. A. 08. Fragment, semi-cylindrical; soft.

C. xciii-L. A. 09-011. Three arrow-heads; jasper.

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Pottery.

C. xciii. 012, 0152, 0155, 0156, 0163, 0166. Fragments, some red; others red one side, black the other; generally coarse; probably wheel-made.

Glass.

C. xciii. 030, 033, 034, 077, 078, 081. Beads; 030, spherical, striated blue and white. 033, 034. double-bulb, gilded. 077, 078. echinus-shaped, deep yellow and light blue respectively. 081, bulb, flattened, yellow.

C. xciii. 031, 032, 075, 080. Fragments. 031, 032, pale yellow. 075, from rim of vessel; opaque, bronze-colour. 080, pale green.

Metal.

C. xciii. 01, 029, 0157. Fragments of iron.

C. xciii. 011. Iron awl set in wooden handle; *see* also under Wood.

C. xciii. 064. Copper coin.

C. xciii. 067. Fragment of bronze rod.

C. xciii. 068. Fragment of edge of bronze mirror with inner border of rayed ornament.

C. xciii. 069. Bronze arrow-head; two-edged; oval; *cf.* Kuchā 062.

C. xciii. 070. Lead disc with central hole.

C. xciii. 071. Fragment of bronze arrow-head, triangular; type (a).

C. xciii. 072. Head of bronze pin; drilled at one end.

C. xciii. 073. Strip of iron; flat.

C. xciii. 074. Fragment of bronze plate, convex, with raised linear ornament of early mirror type.

C. xciii. 076. Fragment of bronze wire.

C. xciii. 0144, 0145. Fragments, partly melted.

Stone.

C. xciii. 027. Cornelian jewel with chamfered edges.

C. xciii. 079. Cornelian bead, spherical.

OBJECTS FROM L. A.

Stone implements, etc.

L. A. 0018, 0019, 00101, 00102, 00153-00159. Blades and flakes; jasper.

L. A. 00145. Celt, jade, green.

L. A. 011. Nephrite fragment; worked.

L. A. 015, 018, 069, 070, 099-0104, 0112-0123, 0147. Blade fragments.

L. A. 093. Sphere, dark grey

L. A. 0145, 0146. Two jade celts.

Pottery.

L. A. 001. Fragment, hand-made; incised lines and circles outside; outside black.

L. A. 002. Fragment, hand-made: outer face mat-marked: grey.

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L. A. 003. Fragment, red; glazed green; Chinese (?)

L. A. 004. Fragment fashioned into spinning whorl.

L. A. 005. Base of vessel, wheel made; grey with red wash; Chinese (?)

L. A. 007. a, b. Fragments, flaky buff body, glazed green.

L. A. 0011. Fragment, coarse, black; hard.

L. A. 0076. Fragment of *chiragh*.

L. A. 00146. Fragment, fine body; mat-marked.

L. A. 01. Fragment of vessel; trumpet mouth; loop handles (one lost); incised zigzag bands; coarse; red.

L. A. 02. Fragment of open square-mesh lattice.

L. A. 03. Fragment; deep red.

L. A. 07. Spinning whorl.

L. A. 0128. Fragment; full of white grit; red body, black on both faces.

L. A. 0143. Fragment of spout roughly "fluted"; coarse; grey.

Glass.

L. A. 0062, 0064, 0070, 0071-0075, 00126, 00168. a-d, 00173. a-c. Fragments of blown glass, some with concave-ground ornamental spots, facets and lines and one with moulded relief pattern.

L. A. 00127. Imitation cabuchon jewel.

L. A. 00128. Lump of slag.

L. A. 00130. Bead, glass; opaque green.

L. A. 00135. Bead, glass; bottle-shaped; black with white spiral inlay.

L. A. 00136. Beads, glass; six on string; various shapes and colours; *see* also under Stone.

L. A. 00139. a-e. Beads, glass; five on string; various shapes and colours. (*a*) reel-shaped, blue.

L. A. 00140. Bead, glass; spheroid, blue.

L. A. 00141. Beads, glass and paste; five on string; various shapes and colours.

L. A. 00165. a-e, 00166. a-h. Beads, glass; various.

L. A. 00167. Beads, glass; four; gilded.

L. A. 00169. Beads, glass; eight; various; three, dumb-bell-shaped; *see* also under Stone.

L. A. 00170. Beads, glass; various.

L. A. 00171. a-d. Beads, glass; bulbous; gilded.

L. A. 00172. Beads, glass; various; *see* also under Stone.

L. A. 023, 0110. Glass bead fragments; ribbed; blue.

L. A. 030. Miscellaneous fragments of beads; *see* also under Stone.

L. A. 031. Glass heart-shaped ornament; central hole.

L. A. 037. Fragment of glass; moulded with raised annulet; from foot (?) of vessel.

L. A. 068. Glass dumb-bell-shaped object; dark grey.

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L. A. 073. Glass bead, fragment.

L. A. 091. Glass fragment; cut.

L. A. 0137. Seal, red, elliptical with two parallel loops at back; device: an animal standing; legs worked in dots.

Metal.

L. A. 0014. Fragment of bronze dagger or sword blade (?); central rib.

L. A. 0015. Bronze rivet-head.

L. A. 0017, 0069, 0082. Bronze arrow-heads; type (a).

L. A. 0021, 0038, 00161. Bronze rods.

L. A. 0022. Iron bolt.

L. A. 0023. Part of bronze hook.

L. A. 0024, 0025, 00122. Bronze nails.

L. A. 0026, 0044, 0045, 0054, 0081, 00110, 00123. Fragments of bronze plate; generally with rivet-holes.

L. A. 0027-0029, 0078, 0084, 0085, 00113, 00163. Fragments of bronze mirrors. 0027, rim; shows inner borders, zigzag and rayed respectively. 0028, as 0027. 0029, rim; no ornament. 0078, rim, no ornament. 0084, 0085, as 0027. 00113, rayed inner border; forepart of winged dragon (?) 00163, as 0027.

L. A. 0030. Fragment of bronze nail.

L. A. 0039, 0048. Bronze spatulas.

L. A. 0040. Bronze wire loop with flattened ends.

L. A. 0041. Bronze hook.

L. A. 0042. Iron rod; drill (?)

L. A. 0043. Bronze strip, tapering; incised line and punched dots.

L. A. 0046. Bronze ring; elliptical; made of sheet.

L. A. 0047. Lump of bronze slag.

L. A. 0049. Bronze seal-ring; oval bezel; device; an arrow.

L. A. 0052. Fragment of bronze buckle (?) made of sheet.

L. A. 0053. Bronze ring; from harness (?) part of iron ring attached.

L. A. 0055. Bronze wire ring.

L. A. 0056. Bronze loop and shield-shaped plate with two rivets; part of buckle (?)

L. A. 0057. Bronze ring.

L. A. 0058. Bronze stud with domed head and scalloped edge.

L. A. 0059, 0079. Lumps of bronze slag.

L. A. 0060. Two fragments of bronze ring with incised cross-lines.

L. A. 0067. Bronze hook and eye.

L. A. 0068. Lead spinning-whorl.

L. A. 0077. Iron chisel blade (?)

L. A. 0080. Bronze strip bent into rude ring.

L. A. 0083. Fragment of curved bronze channel.

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L. A. 0086. Fragment of bronze rod, part twisted spirally.

L. A. 0087. Bronze strap-ring, oval.

L. A. 0088. Bronze wire loop.

L. A. 0089. Bronze link, wire; square-ended loop one end, round, the other; sides closed together in between.

L. A. 0090. Iron rod.

L. A. 0091. Fragment of iron chisel (?)

L. A. 0093. Iron strip bent hook-shape and into ring at one end, ring at right angles to plane of hook.

L. A. 0094, 00116. Bronze seal-rings; device: obscure.

L. A. 0095. Strip of lead.

L. A. 0096. Flat iron ring.

L. A. 0097, 0098, 00108, 00109, 00114, 00117, 00137. Lead spinning-whorls.

L. A. 0099. Fragment of iron rod.

L. A. 00103-00105, 00164. Four bronze "grelot" bells.

L. A. 00106. Bronze button, domed head; shank pierced for sewing.

L. A. 00111. Bronze strap-ring, flattened at one side.

L. A. 00112. Gold wire ring.

L. A. 00115. Bronze rivet, pyramidal head.

L. A. 00118. Bronze finger-ring with bezel for jewel.

L. A. 00119. Bronze ring of strip metal.

L. A. 00120. Bronze rod with flat spatulate end.

L. A. 00121. Bronze square rod; projecting spike at end.

L. A. 00124. Fragment of oval bronze rod.

L. A. 00125. Lump of bronze, spherical; hole one side.

L. A. 00162. Lead slag.

L. A. 00174. a-f. Bronze fragments. (*a*) point of arrow-head. (*b*) slag. (*c-e*) wire rings. (*f*) ornamental plate.

L. A. 00177. a-h. Bronze fragments. (*a*) nail; pyramidal head. (*b*) nail; pear-shaped head. (*c*) nail; circular head. (*d*) resembles belt-hook, but hooked part missing. (*e*) square rod. (*f*) slag. (*g*) part of ear-ring. (*h*) string of "goose eye" coins corroded into solid mass.

L. A. 05, 025. Fragments of bronze mirrors; 05, rayed inner border; band of raised linear scroll-work within which, one "nipple," centre lost. 025, part of plain border only.

L. A. 012. Bronze disc.

L. A. 013, 027, 035, 036, 072. Fragments of bronze sheet.

L. A. 014, 066. Bronze rivets or nails.

L. A. 016. Bronze seal-ring, lozenge bezel; device: five punched rings, one in each corner and one in centre.

L. A. 017. Bronze needle or bodkin.

L. A. 019. Bronze wire loop.

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L. A 020. Bronze wire, square, tapered and curved.

L. A. 024. Iron blade, curved; sickle (?); edge corroded.

L. A. 026, 076. Lead spinning-whorl.

L. A. 029. Small bronze and lead fragments.

L. A. 032, 0126. Bronze stirrup-shaped loops; strap eyes.

L. A. 033. Bronze button, domical, depression in crown; large loop shank.

L. A. 034. Iron snaffle-bit, one outer ring broken.

L. A. 071. Fragment of bronze wire.

L. A. 074. Fragment of iron rod.

L. A. 075. Fragment of lead wire.

L. A. 090. Thin bronze ring.

L. A. 092-0105. Fragments of bronze object; two slightly convex surfaces meet in wide angle, forming keel; pointed one end, broken away at other; cast.

L. A. 094-096. Fragments of bronze; 096, edge of mirror (?), laminated in three layers.

L. A. 097. Metal sphere.

L. A. 098. Bronze finger-ring; oval jewel lost.

L. A. 0106. Bronze object; hollow.

L. A. 0107. Bronze Chinese mirror, complete; L T V type, of simple make; Han (?)

L. A. 0108. Bronze plate, doubled and rivetted; tag (?)

L. A. 0109. Bronze button-like jewel-setting; jewel lost; four loops at back.

L. A. 0124. Fragment of bronze Chinese mirror; central boss surrounded by double-axe-heads with Chinese characters between; and outer band of raised segments of circles.

L. A. 0136. Bronze stud, convex, quatrefoil, with raised ribs running to corners.

L. A. 0138. Bronze ring; ribbed surface.

L. A. 0140, 0141. Fragments of edge of mirror (?)

L. A. 0142. Bronze ball.

Stone.

L. A. 0063. Crystal, fragment.

L. A. 0065. Cornelian, fragment.

L. A. 00134. Lignite seal, cubical; loop handle; device: swastika with spiral limbs.

L. A. 00142. Disc, white.

L. A. 00144. Cornelian bead, half spheroid.

L. A. 00169. Beads; three, ruby and cornelian; two chalcedony; one crystal; *see* also under Glass.

L. A. 00172. Beads; one crystal; two, fragments of cornelian; *see* also under Glass.

L. A. 06. Fragment of sandstone hone.

L. A. 08, 067. Spinning-whorls.

L. A. 021, 022. Fragments of cornelian beads.

L. A. 030. Miscellaneous fragments of beads; *see* also under Glass.

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L. A. 0111. Flat oblong fragment, dark grey; hole near one end, drilled from both sides.

L. A. 0139. Fragment of malachite (?)

Wood.

L. A. 0061. Wedge cover-tablet with seal cavity; blank.

L. A. 04. Back ridge of saddle-tree.

Textiles.

L. A. 00138. Fragment of string shoe-sole.

L. A. 00149. Fragment of cotton canvas.

Miscellaneous.

L. A. 00131. Ring made of pitch (?)

L. A. 00133. Horn disc.

L. A. 00143. Kauri shell; pierced.

L. A. 00148. Shells of *Linnœa auricularia*.

L. A. 010. Fragment of almond shell.

L. A. 028. Fragment of shell disc carved as lotus with open centre.

OBJECTS FROM OR FROM NEAR L. A. I.

Pottery.

L. A. I. iv. 002. Fragment, glazed leaf-green, finely crackled; hard, grey body; Han type.

L. A. I. iv. 004. Fragment fashioned for spinning-whorl; black.

Glass.

L. A. I. vi. 01. Fragment of glass bead; spiral cylinder; turquoise.

Metal.

L. A. I. iv. 005. Rim of bronze dish (?)

Stone.

L. A. I. iv. 003, 0012. a, b. Fragments of mica.

L. A. I. vi. 02. Half cornelian bead.

Wood.

L. A. I. iii. 001. Bar, slightly tapering towards ends; drilled at centre and hole leather lined; bearing for churning-stick (?); hole at each end.

L. A. I. iv. 11. a, b. Two sets of (*a*) six and (*b*) five labels, pointed at one end, two holes at square end; armour scales (?)

L. A. I. iv. 008. Bowl of spoon.

L. A. I. iv. 009. *Chūluk;* stick with cross piece at one end and notch near other end; *cf.* L. B. IV. ii. 009; N. XIII. i. 002.

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L. A. I. iv. 0014. Small block with incised cross-lines as for gauge.
L. A. I. iv. 0015. Fragment of lacquered bowl; black.

Textiles.

L. A. I. iv. 0010. Plaited goat's-hair string handle.
L. A. I. iv. 0011. Fragments of woollen and silk fabrics; *see* also under Leather.

Paper.

L. A. I. iv. 0016. Two fragments stuck together; two or three Kharoṣṭhī characters.

Leather.

L. A. I. iv. 0013. Fragment of skin from calosity.

OBJECTS FROM OR FROM NEAR L. A. II.

Pottery.

L. A. II. 001. Hand lamp (*chirāg*); *cf.* L. A. 0076.

Metal.

L. A. II. v. 002. Bronze "bolt"; round; square head; drilled at round end.

Wood.

L. A. II. 02. Wedge-shaped object, like key-stone of arch; with projecting tenons at sides, one with hole (for dowel).

A. L. II. 05. Fragment of frame carved with trellis of bands; bead ornament along centre of bands and four-petalled flower in each lozenge space.

Textiles.

L. A. II. 002. Fragments of canvas of hemp and cotton; silk; coarse matting of goat's-hair string; *see* also under Leather.

L. A. II. ii. 001. a, b. Two silk fragments, white and blue.

Leather.

L. A. II. 002. Fragments; *see* also under Textiles.

L. A. II. 03. Tubular object, perhaps leg of top-boot; hair inside at top.

OBJECTS FROM OR FROM NEAR L. A. III.

Pottery.

L. A. III. 002. Fragment from edge of dish; glazed (?) pale green; hard, pink body: Han.

Glass.

L. A. III. 006. Fragment of blown glass with cut grooves on side.

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Metal.

L. A. III. 001. Bronze arrow-head; type (a).

L. A. III. 003. Bronze rivet with triangular head.

Wood.

L. A. III. 004. Lug of bowl, lacquered black; inside of bowl red over black; *cf.* L. A. VIII. 002.

L. A. III. i. 001. Flat oblong object with rounded ends and V-groove cut all round on edge.

L. A. III. i. 002. Stick, tapering; lacquered black and red.

Miscellaneous.

L. A. III. 007. Four quills, stripped of plumes, pierced and threaded on string.

OBJECTS FROM OR FROM NEAR L. A. IV.

Pottery.

L. A. IV. v. 06. Fragment, with comb-drawn band and festoons, hole at one edge.

Glass.

L. A. IV. v. 013. Two fragments.

Wood.

L. A. IV. v. 001. Flat object, broadened slightly at both ends where it is rounded and pierced with two large holes; probably a form of cleat for tightening loads of pack animals.

L. A. IV. v. 03. Seal case.

L. A. IV. v. 05. Long-barrel-shaped object with tubular hole through its length.

Textiles.

L. A. IV. 003. Fragment of coarse woollen material, close ribbed texture.

L. A. IV. ii. 001. Thick cotton fabric; lines of tufts run across carried on extra shoots of weft; probably from a sort of gambeson.

L. A. IV. v. 04. Two silk fragments: white.

L. A. IV. v. 09-012. Fragments of woollen fabric; crimson and buff. 010 has fragment of buff silk sewn on to it.

L. A. IV. v. 014. Silk sheath-like object, white.

L. A. IV. v. 015. Fragment of silk, white.

L. A. IV. v. 016. Cord made of strips of silk and woollen yarn; buff and crimson.

L. A. IV. v. 017. Three fragments of plain silk: blue.

Leather.

L. A. IV. v. 01. Shoe, round-toed; many repairs.

L. A. IV. v. 07. Fragment.

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Fibre and Grass.

L. A. IV. 002. Three pieces of grass rope.

L. A. IV. v. 08. Strands of fibre.

Miscellaneous.

L. A. IV. v. 02. Fragment of horn.

L. A. IV. v. 018. Fin-bone of small fish.

L. A. IV. v. 019. Lower jaw of small fish.

OBJECTS FROM OR FROM NEAR L. A. V.

Pottery.

L. A. V. x. 013. Fragment; "mat" or "basket"-marked outside, hard grey.

Metal.

L. A. V. x. 02. Fragment of bronze sheet; triangular; drilled.

Stone.

L. A. V. xi. 04. Spinning-whorl; dark grey.

Wood.

L. A. V. 001. Fragment of comb.

L. A. V. x. 03. *Chūluk* (for tightening load on pack animal, or for fastening their collars).

L. A. V. x. 04. Oblong block, with return piece at one edge; two holes drilled.

L. A. V. xi. 03. Label; blank.

Textiles.

L. A. V. x. 05-08. Four rough pads of coarse woollen fabric and felt.

L. A. V. x. 09. Mass of wool, half felted; brown.

L. A. V. x. 010. Fragment of goat's-hair fabric; buff and brown.

L. A. V. x. 012. Fragment of goat's-hair cord; two strands doubled and twisted together; doubled end button-holed with fine woollen yarn.

L. A. V. xi. 01. Fragment of felt.

L. A. V. xi. 02. Fragment of woollen canvas in buff and brown stripes.

Fibre and Grass.

L. A. V. x. 011. Fragment of rope; three-ply.

Miscellaneous.

L. A. V. x. 01. Part of horn saddle-tree with three rectangular holes.

OBJECTS FROM OR FROM NEAR L. A. VI.

Pottery.

L. A. VI. ii. 0024. Disc.

L. A. VI. ii. 017. Fragment; partly glazed green.

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Glass.

L. A. VI. ii. 003. Glass bead ; red.

Metal.

L. A. VI. 006. Bronze "grelot" bell.
L. A. VI. ii. 005. Bronze slag.
L. A. VI. ii. 006. Part of neck of bronze vessel, with saw-tooth ornament.
L. A. VI. ii. 007. Bronze buckle-tongue.
L. A. VI. ii. 008. Part of iron ring.
L. A. VI. ii. 009. Bronze rivet.
L. A. VI. ii. 0010. Bronze strap-loop.
L. A. VI. ii. 0011. Bronze buckle, tongue lost ; or eye only.
L. A. VI. ii. 0012. Bronze open-work ornament.

Stone.

L. A. VI. ii. 0039. Bead ; white.
L. A. VI. ii. 016. Cornelian bead fragment.

Wood.

L. A. VI. 002. Furniture leg ; not turned but shaped with chisel or knife ; traces of paint.
L. A. VI. ii. 001. a. Fragment of rim of lacquered vessel ; outside black, inside red.
L. A. VI. ii. 0013, 0014. Comb fragments.
L. A. VI. ii. 0016. Handle, tapering both ends, groove round centre for cord.
L. A. VI. ii. 0017, 0018. Two spoons.
L. A. VI. ii. 0019, 0020. Seal cases.
L. A. VI. ii. 0021. Stick, knob at each end.
L. A. VI. ii. 0022. Stick, pointed one end ; pen (?).
L. A. VI. ii. 0023. Fragment of *chūluk*.
L. A. VI. ii. 0040. Miniature spatula.
L. A. VI. ii. 0051. Label ; blank.
L. A. VI. ii. 0052. Spatula.
L. A. VI. ii. 0053. Stick ; eating (?).
L. A. VI. ii. 0057. Spatula cut from Chinese document.
L. A. VI. ii. 01. Rectangular tablet.
L. A. VI. ii. 08. "Dead-eye" pulley.
L. A. VI. ii. 010. Spoon, roughly made.
L. A. VI. ii. 011. Domical object pierced through centre.
L. A. VI. ii. 012. Disc, pierced, traces of black.
L. A. VI. ii. 013. Piece of stick.
L. A. VI. ii. 014. Fragment of lath.

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L. A. VI. ii. 015. Twig spindle, with yarn twisted on it; *see* also under Textiles.
L. A. VI. v. 01. Fragment of comb.
L. A. VI. v. 02. Cleat.

Textiles.

L. A. VI. ii. 02. Fragments of horsehair gauze with felt edging.
L. A. VI. ii. 03. Fragment of fine silk; plain.
L. A. VI. ii. 05. Fragment of cloth with simple counterchange pattern in stripes blue and buff.
L. A. VI. ii. 06. Silk bag; crimson with narrow green edging and buff drawing-string; bag lined with buff silk.
L. A. VI. ii. 015. Yarn twisted round twig as a spindle; *see* also under Wood.
L. A. VI. ii. 018. Mass of woollen, silk and hair fragments of various colours including a cord knotted like a rosary.
L. A. VI. ii. 059. Silk bag with Kharoṣṭhī inscription on back.

Fibre and Grass.

L. A. VI. ii. 07. Fragment of hemp string.

Miscellaneous.

L. A. VI. ii. 0041. Goose feather.

OBJECTS FROM OR FROM NEAR L. A. VII, VIII, IX.

Glass.

L. A. VII. 002. e. Fragment of glass ornament, green; on wire ear-ring; *see* also under Metal.
L. A. VIII-IX. 009, 0011, 0013, 0014. Fragments of blown glass with cut patterns on outside.
L. A. VIII-IX. 0018, 0019, 0024. Fragments of glass beads.
L. A. VIII-IX. 0023. Pendant of glass; green.

Metal.

L. A. VII. 002. a-e. Fragments. (*a-c*) lead discs. (*d*) bronze nail-head. (*e*) fragment of bronze wire ear-ring with paste ornament; *see* also under Glass.
L. A. VIII. 004. a-c. Fragments. (*a*) lead disc. (*b*) three links of bronze wire chain. (*c*) part of bronze buckle.
L. A. VIII-IX. 003. Bronze slag.
L. A. VIII-IX. 004. Bronze plaque, oblong with central rivet-hole; part of hinge of buckle (?).
L. A. VIII-IX. 005. Bronze arrow-head; type (a).
L. A VIII-IX. 006. Bronze plaque, ivy-leaf-shape with loop and rivet-hole; *cf.* L. A. 0052.

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L. A. VIII-IX. 007. Narrow bronze tongue pierced at one end and piece of strip bronze passed through, bent over and rivetted.

L. A. VIII-IX. 008. Iron arrow-head with long tang; triangular section.

L. A. VIII-IX. 0015. Fragment of bronze plate with cast relief of Chinese character.

L. A. VIII-IX. 0016. Bronze wire stiletto (?) with ring end.

Stone.

L. A. VIII-IX. 002. Steatite disc, perforated.

L. A. VIII-IX. 0010. Cone, truncated; yellow.

L. A. VIII-IX. 0012. Fragment of crystal.

L. A. VIII-IX. 0017. Agate bead.

L. A. VIII-IX. 0020. Fragment of cornelian.

L. A. VIII-IX. 0021. Charm, plano-concave, pierced; white.

L. A. VIII-IX. 0025. Quartzite pebble.

Wood.

L. A. VIII. 002. Lug of bowl, lacquered red and black; *cf.* L. A. III. 004.

OBJECTS FROM BETWEEN L. A. AND L. C.

Stone implements.

L. A.-L. C. 06, 07. Two blades.

Metal.

L. A.-L. C. 01. Lump of lead.

L. A.-L. C. 02, 03. Bronze rings.

L. A.-L. C. 04, 05. Bronze discs. 04, with relief pattern. 05, hole in centre.

L. A.-L. C. 08, 09. Two bronze fragments.

OBJECTS FROM L. B.

Stone implements, etc.

L. B. 007. Jasper flake.

Glass.

L. B. 001-003. Fragments of blown glass. 002, with appliqué thread in parallel lines.

Metal.

L. B. 004. Bronze strap loop; wedge-shaped.

L. B. 005. Bronze boss; conical, truncated.

L. B. 008. Bronze wire, bent into ring.

L. B. 009. Bronze ornament in relief; floral design.

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Wood.

L. B. 0010, 0012. Sticks, pointed; pens (?).

L. B. 0018, 0020. Fragments of panel, open-work; diagonal bars with interlacing circles.

OBJECTS FROM L. B. I-VI.

Pottery.

L. B. IV. 001. Fragment of large jar; broad rim; very hard; black.

L. B. IV. ii-v. 006. Fragment, mat-marked; hard, grey.

Glass.

L. B. III. 007. c. Fragment of millefiori bead.

Metal.

L. B. I-III. 001. Bronze ring; made of flat strip.

L. B. I-III. 002. Fragment of bronze mirror, as L. A. 0027 etc.

L. B. I-III. 003. Bronze arrow-head with iron tang; type (a).

L. B. I-III. 004. Part of bronze buckle, rectangular.

L. B. I-III. 006. Bronze strip, bent into ring.

L. B. III. 007. a, b. (*a*) bronze arrow-head, type (a). (*b*) part of bronze needle (?).

L. B. IV. 002. Fragment of bronze bar; round with two raised rings.

L. B. IV. 003. Bronze fragment from rim of vessel (?)

L. B. IV. 0011. Part of bronze ear-ring.

L. B. IV. ii. 001. Fragment of iron knife.

L. B. IV. ii-v. 005. Bronze nail-head.

L. B. IV-V. 002. a, b. Two bronze fragments. (*a*) plate, lozenge-shaped; trefoil ends. (*b*) part of round-headed pin.

L. B. V. 001. Lead spinning whorl.

L. B. V. 002. Bronze plate, with rivet-holes.

L. B. V. 003. Fragment of bronze sheet.

L. B. V. 004. Lead wire.

L. B. V. 005. Bronze tongue doubled over and riveted.

L. B. V. 006. Fragment of bronze mirror, raised linear ornament; Han type.

Stone.

L. B. I-III. 007. Bar of mica.

L. B. I-III. 008. Steatite whorl.

L. B. II. 001. a, b. Two fragments of mica.

L. B. III. 001. Fragment of mica.

L. B. IV. 007. Fragment of slate hone; hole at end.

L. B. IV. ii. 003. Lump of quartz; white; shaped.

L. B. V. 007. Block of lignite.

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Wood.

L. B. II. 002. Pin with ball-head, part of oxen yoke (?); *cf.* L. B. IV. i. 2.

L. B. II. 004. Carved fragment, ribbed.

L. B. II. 005. Carved fragment of open-work; leaf.

L. B. II. 006. Part of wreath of imbricated lotus petals.

L. B. II. 007. Part of beam, carved with floral scrolls.

L. B. II. 008. Apex of finial; superimposed *chhatrs*.

L. B. II. 0011-0013, 0053. Fragments of open-work carved panel; parts of grotesque beast.

L. B. II. 0015. b-d. Parts of architraves (?) carved with repeating circles linked by straight bands, a rosette in each circle; at corners, a square divided by diagonals with half-rosettes in each division.

L. B. II. 0021. Fragment of open-work carved panel, similar to L. B. II. 0011-0013; shows neck and open jaws of horned beast.

L. B. II. 0022. Fragment of carved frame; imbrications.

L. B. II. 0023, 0024. Fragments of open-work panels; lattice of interlacing bars and circles.

L. B. II. 0025, 0026. Two pieces of architrave carved with zigzag bands forming repeating lozenge-shapes, each filled with rosette; ends mitred for joining as for door frame.

L. B. II. 0027. Part of beam, carved; suggestive of seated Buddhas (repeated) under arcade, but much weathered and obscure.

L. B. II. 0028. Part of open-work panel; trellis of straight bars.

L. B. II. 0029. Fragment carved at one end with imbrications; straight grooves running from that part.

L. B. II. 0030. Half of open-work panel showing half large four-petalled lotus.

L. B. II. 0032. Part of beam carved with two running animals confronted with central figure between; very indistinct.

L. B. II. 0034. Finial in form of *chhorten* with tiers of five *chhatrs* above.

L. B. II. 0035. a, b. Two pieces of architrave carved with imbrications (shown by crossed lines) between plain fillets.

L. B. II. 0036. Architrave carved with two undulating stems, interlacing in double "true-lovers" knots in centre and throwing off a trefoil half-leaf at each undulation.

L. B. II. 0038-0045. Eight lathe-turned balusters.

L. B. II. 0046, 0048-0051. Rails of balustrade with housings for baluster-ends on one side.

L. B. II. 0052. Right arm of figure carved in the round; loose half-sleeve; fore-arm, bare; two dowels for fixing, at shoulder.

L. B. IV. 004. Fragment, carved (?) and moulded.

L. B. IV. 0010. Small flexible stick with mallet head.

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L. B. IV. i. 2. Tapering pin with thistle-head knob ; *cf.* L. B. II. 002 ; traces of red paint.

L. B. IV. i. 002. Part of open-work panel of bar and circle pattern.

L. B. IV. i. 004. Stick, one end bevelled.

L. B. IV. i. 006. Stick, tapering ; carpet weaver's needle (?).

L. B. IV. i. 007. Straight slip with notches cut at both ends ; perhaps part of loom.

L. B. IV. ii. 002. Tablet, nearly square ; raised border, like Roman wax tablet.

L. B. IV. ii. 004. Flat piece with hole in centre ; remains of paint.

L. B. IV. ii. 009. "*Chuluk*" (a sort of cleat) with piece of cord round one limb.

L. B. IV. ii. 0010, 0012. Seal cases.

L. B. IV. ii. 0015. Short cylindrical bar, thinned near each end.

L. B. IV. iii. 001. Fragment of bobbin (?) pointed at one end.

L. B. IV. iii. 002. Fragment of foot (?) from some piece of furniture ; tenon and three dowel holes.

L. B. IV. iv. 001, 002. Two pins with knobs ; *cf.* L. B. II. 002.

L. B. IV. iv. 003. Short lathe-turned baluster or leg with mortise-holes to take rails.

L. B. IV. v. 001. Fragment of carved capital, with leaf ornament.

L. B. IV. v. 002. Fragment, carved with narrow serrated leaves.

L. B. IV. v. 004. Fragment carved with chess-board pattern of alternate sunk squares.

L. B. IV. v. 005. Needle with round eye.

L. B. IV. v. 006. Shaft of bird-arrow ; head missing ; string notch and groove for feathers ; spliced at head end.

L. B. IV. v. 007. Half of knife-sheath (?)

L. B. IV. v. 008. Fragment ; lacquered red and black over hemp fabric.

L. B. IV. v. 009. Fragment ; lacquered back.

L. B. IV. v. 0010. Fragment of "thistle-head" ; lathe-turned ; *cf.* L. B. IV. i. 2.

L. B. IV. v. 0012. Part of carved border ; an undulating stem with nail-head centre band, throwing off bunches of long lily-like leaves ; good work, well preserved.

L. B. IV. v. 0013. Chair leg carved at upper part in form of grotesque beast with large head sunk on breast ; lacquered red, black and yellow ; lower part, lion-leg ; interesting details ; good work ; *cf.* L. B. IV. v. 0023.

L. B. IV. v. 0014-0016. Fragments of lacquered bowl (?) made of strips of wood or bamboo covered with canvas ; inside red, outside black ; Chinese (?)

L. B. IV. v. 0017. Fragment of side of lacquered bowl ; black.

L. B. IV. v. 0018. Fragment, lacquered black with floral design in red.

L. B. IV. v. 0019. Stick, round, tapering ; small hole near one end ; carpet weaver's needle (?)

L. B. IV. v. 0022. Fragment of bowl lacquered over canvas, black and red.

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L. B. IV. v. 0023. Wooden upright and rail from chair, carved and lacquered in form of figure like L. B. IV. v. 0013. Upper part in form of human head of Persian (?) type, evidently intended for woman, from circular contour lines on breast.

Below this, descent is made through half-open lotus blossom (out of which figure rises) to solid horse-leg and hoof. Head has large black eyes and eyebrows, black hair hanging in perpendicular locks to neck behind, and straight leaf and flower garland round brows. Above rises wooden projection, lacquered vermilion with black bevelled edges, cut in sort of hook towards back. Face lacquered grey with vermilion lips, vermilion spot on each cheek and ear and similar stripe down forehead and chin. Long neck rises from yellow collar of red robe and behind are small upright curled wings reminiscent of Greek sphinx wings though curled the reverse way and lacquered yellow and black. The lotus has one brown petal and two yellow and between show tips of vermilion inner petals. Horse-leg is vermilion and hoof black.

Mortise in back of head still holds tenon of stout bar, lacquered black, which projects to back. Its other end is rounded and has groove in which, on wooden peg, swings oblong flat piece of wood with rounded corners and hole for another pin at further end; this clearly served as a hinge. Fine bold work, colours brilliantly preserved.

Upright 1 ft. $1\frac{1}{2}$ ins. by $1\frac{7}{8}$ ins. by $2\frac{1}{2}$ ins.
Bar 10 ins. by $1\frac{3}{8}$ ins. by $1\frac{1}{4}$ ins.

L. B. IV. v. 0026. Half-baluster, lathe-turned.

L. B. IV. v. 0027. Bar, squared; lacquered black with red scrolls on three sides from furniture (?)

L. B. IV. v. 0029. Fragment from bowl; lacquered black on outside and bottom inside; red inside walls.

L. B. IV. vii. 001, 004. Two fragments for wheel-and-bar open lattice.

L. B. IV. viii. 001. Fragment from edge of open-work carved panel.

L. B. IV. viii. 002. Fragment, carved with curved block of overlapping scales like the coverts of a bird's wing.

L. B. V. 009. Part of open-work carved lotus panel, like L. B. II. 0030.

L. B. V. 0014-0017. Lathe-turned balusters.

L. B. VI. 001. Block, square, carved with eight-petalled lotus.

Stucco.

L. B. II. 4. Stick of white plaster, broken.

L. B. II. 6. Fragment showing convex plaque on curved bar; a jewelled boss in centre surrounded by a whorl of swirling flames with pearls between them; other jewels outside it. Perhaps from *mukuṭa* of large figure; white plaster.

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Textiles.

L. B. II. 0018-0020. Fragments of coarse cotton, felt and silk fabrics.

L. B. III. 004. Fragments of woollen fabric, felt and silk.

L. B. IV. ii. 008. Goat's-hair rope "*chitan*" for hobbling a horse.

L. B. IV. ii. 0014. Fragment of woollen weft; warp perished; "wrapped-twined" weave.

L. B. IV. ii-v. 002. Bundle of felt fragments.

L. B. IV. ii-v. 003. Fragments of silk, woollen fabric of open texture and woollen gauze.

L. B. IV. v. 0011. Bundle of felt cuttings; white.

L. B. IV. v. 0024. Fragments of felt, cotton and silk.

L. B. IV. v. 0032, 0033. Fragments of yellow felt painted with patterns in grey, buff and blue; imitation of embroidery.

Leather.

L. B. IV. ii-v. 004. Bundle of fragments; parts of shoes, etc.

L. B. IV. v. 0025. Fragment, perhaps formerly tied over mouth of jar.

Miscellaneous.

L. B. III. 003. Fragment of almond shell.

L. B. IV. 006. Heads of bearded wheat and millet.

L. B. IV. ii. 006. Horn knife-handle.

L. B. IV. ii. 007. Horn spoon.

L. B. IV. ii-v. 001. Ivory rod.

L. B. IV. iii. 003. Millet grains.

L. B. IV. v. 003. Ivory rod.

OBJECTS FROM OR FROM NEAR GRAVE-PITS OF L. C. CEMETERY (L. C.)

Metal.

L. C. 013. Circular bronze mirror; central boss on plain disc surrounded by cable and plain bands, a band divided into four sections by repeating spiral and lozenge, each section containing two Chinese characters. Outside this, another cable border and the outer, plain rim.

L. C. 014, 023. Bronze buttons.

L. C. 015. Bronze ring.

L. C. 016. Nail-like object.

L. C. 017-020. Bronze fragments. 017, 018, from mirrors. 019, from rim of vessel. 020, embossed circular plate, gilded.

L. C. 021. Circular bronze mirror; central boss; vandyke inner border; within, a band of rays and a border band with alternate oblongs in outline and discs.

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L. C. 022. Gold-foil disc with incised ring, on iron backing.

L. C. 025-027. Bronze fragments; 025, 026, from mirrors. 027, double pronged hook.

L. C. 029. Four bronze fragments, plain.

L. C. 041. Fragment of bronze buckle plate, part of tongue and part of "D".

L. C. 042. Bronze hook or ring of flattened wire.

L. C. 043, 044. Bronze fragments from mirrors (?)

Stone.

L. C. 024. Jade fragment.

Wood.

L. C. 012. Jug with ring handle; ovoid body; painted red.

L. C. 034. Stick, round; red with black rings.

L. C. i. 014. Stick, round, thickened at ends; hole at one end.

L. C. i. 016. Leg of food tray; lion-leg type; *cf.* L. C. iv. 07, 08.

L. C. ii. 012. Fragment of wood like piece of scabbard with faint impression of scroll ornament from former metal covering.

L. C. iii. 07. Three fragments of lacquered box; part of bottom and side; elliptical; cane (?); red with black lines.

L. C. iii. 08. Butt of arrow shaft; notch and remains of feather.

L. C. iii. 09. Fragment of cane (?)

L. C. iv. 06. Leg of food tray in form of two unequal rectangular pyramids joined at their points; tenon at one end.

L. C. iv. 07, 08. Two carved legs of food trays; lion-leg type; *cf.* L. C. i. 016.

L. C. iv. 09. Fragment of goblet, echinus body, short stem, spreading foot.

L. C. v. 031-034. Fragments of arrow shafts; butts; ornamented with lines of red and black; remains of whipping on 034.

L. C. vii. 03. Plasterer's spatula; double-ended.

L. C. x. 05. Leg of food tray; square section; waisted; tenon at top.

L. C. x. 06, 07. Pair of food tray legs; lion-leg type; tenon at top.

L. C. x. 08. Leg of food tray; lion-leg type; boldly carved; double fillet moulding at top.

L. C. x. 09. Object like dagger-handle with mark of iron rivet and tang of blade through centre.

L. C. x. 011. Fragment of bent wood; cane (?)

L. C. x. 012, 013. Fragments of combs; 013, very fine teeth.

L. C. x. 015. Food tray; elliptical with flattened sides; slightly concave upper surface; leg (three missing) like squat Doric shaft and cap; tenons of two other legs still in mortise holes; surface scored with knife-cuts.

L. C. x. 016. Food tray, rectangular; raised edges; under side scored by knife-cuts.

L. C. x. 018-022. Fragments of arrow shafts.

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L. C. x. 023. Fragment of side of bent cane lacquered box; outside black with lines and border of reversed volutes in black and dark red on red ground; inside red with black lines.

L. C. x. 024-026. Three legs of food trays; waisted cylinder type; tenon at top.

L. C. x. 027. Ladle; round bowl and straight handle; *cf.* paper painting Ast. vi. 3. 05.

Textiles.

NOTE.—All the polychrome figured silks from the Lou-lan graves are woven in a kind of warp-rib weave which seems to have been the early Chinese method before the introduction of the twill weave. The patterns are formed by the warp threads, some of which are arranged in definite bands, as for instance the blue in L. C. 07. a., and the green in L. C. 08; other colours such as the ground and some of the yellows are carried right across. The "warp-rib" weave does not not appear in the figured silks of Astāna which are several centuries later in date, by which time the twill weave seems to have entirely superseded the earlier method and many of the early patterns have completely disappeared.

L. C. 01. Fragments of figured silk, lined with plain blue (?) silk; pattern, small rectangular spots arranged in lozenge order, with groups of five similar spots in centre of each lozenge; ground in bands of bright blue, copper and myrtle-green; spots, golden yellow.

L. C. 02. Fragment of figured silk garment lined with fine plain green silk. Pattern: very stylised and complicated, consisting of floral motifs combined with angular spiral forms both presenting suggestions of grotesque animals and clouds; ground colour, rich copper-brown; pattern, green, blue and buffs, outlined in buff.

L. C. 03. Fragment of figured silk, joined, with fine, plain, buff silk lining; pattern: a repeating thin spiral scroll bearing a cloud-like leaf (?) and lily-shaped flowers; on inner turn of spiral, stands a goose-like bird, regardant, and the outer end of each spiral carries a large leaf-shaped form composed of three spirals throwing out three parallel prong-like ends which form the outer end of the "leaf". Colours: ground, copper-brown; scrolls, buff; goose, lilies and "cloud" have green on them. Chinese characters occur between the scrolls and have been read by Dr. Lionel Giles as meaning "Resplendent joy".

L. C. 04. b, 06. b. Fragments of felt.

L. C. 04. c, 036. Fragments of cotton fabric; plain. 036, with piece of silk attached.

L. C. 06. a. Three fragments of fine woollen cloth with nap surface like "box" cloth; crimson.

L. C. 06. c, d, 035. Fragments of firm finely woven cotton cloth like "jean"; buff.

L. C. 06. e. Fragments of woollen cloth; canvas texture; buff and crimson.

L. C. 07. a, b. Two fragments of figured silk garment, different patterns, joined. (*a*) shows a procession of grotesque beasts proceeding from right to left across width of material, through "vermicular" clouds. There are six different beasts in various poses

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suggestive of attack and defence. Between first and second from right is a standing goose placed at right angles to general direction of pattern and a second bird similarly placed between the two end beasts to left. The three-spiral and pronged feature (*see* L. C. 03) occurs three times in the pattern. Colours: yellow-brown, two tones of buff, rich blue and crimson (ground). Pattern repeats vertically. Full width of cloth, eighteen inches, is present with vandyked selvedges. The ten Chinese characters occurring have been read by Dr. Lionel Giles as, "may this decorative pattern of Han Jen bring great good fortune to his descendants (for generations) without end"; or alternatively, "may Han Jen-hsien and Wen Kung-she have descendants without end". (*b*) is interesting as showing the weaver's experiment in the application of the "turn-over" method in producing a new design. He has taken a portion of a design of scrolls and beasts and has rather clumsily reversed it, producing some meaningless forms.

L. C. 08. Fragment of figured silk with pattern of Chinese cloud scroll, a flying duck and a winged lion with open jaws. Colours: yellow, red, green and dark blue (ground). Chinese characters occur in the design, read by Dr. Lionel Giles as "Ascend to places that are high and bright, whence you may look over the Four Seas (the whole Empire)".

L. C. 09. a, b., 030. Fragments of plain silk. 09. *a.*, is a fine red with border of buff sewn to it and square beads of iron pyrites (?) pierced with fine holes and sewn to it. 09. *b.*, buff and white. 030, green.

L. C. 010. Fragment of woollen pile carpet in two pieces; colours: crimson, pink, green and brown; pattern: a band of brown "latch-hook" on yellow-green ground.

L. C. 031. a. Four fragments of figured silk as L. C. i. 09., *q. v.*

L. C. 031. b. Fragment of figured silk; pattern: rows of small geometrical forms in fine yellow and blue; first and third rows, elongated octagons and hexagons in outline and dots; second and fourth, long rectangular billets, solid; fifth, angular meander of half-hexagons alternately reversed and a pair of dots in each hollow. For this meander *cf.* L. C. vii. 02.

L. C. 031. c. Fragment of polychrome figured silk; pattern: cloud scrolls with Puck-like sprite and standing goose. This is another example of a "turn-over" pattern; the rococo forms are the result of reversing and fusing parts of cloud scrolls. The design is decidedly weak. Colours: crimson, green, two tones of buff and blue (ground).

L. C. 032. Strip of embroidered silk canvas; pattern: a continuous lozenge enclosing different forms. Colours: blue and pale brown. Much worn and indistinct.

L. C. 033. Embroidered comb-case of crimson woollen repp lined, bound and embroidered with silk. Shape, a long ellipse, doubled with an inner pocket in each half, one containing a comb which has left its impression on the opposite side. Pockets are of plain and damask silk of small diaper pattern. Embroidery (fragmentary): vine scroll with grapes and border of scrolled "latch-hook", all worked in chain stitch; discoloured.

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L. C. 037, 038. Fragments of woollen serge; 037, covered with dark brown silk to which is attached a piece of felt. 038, three pieces, one plain.

L. C. 039. Fragments; two fine buff plain silk; one woollen felt.

L. C. i. 01. Fragment of woollen "box" cloth; rich crimson; *cf.* L. C. 06. a. and L. C. ii. 016.

L. C. i. 02. a, b. Two fragments of cotton garment padded with loosely felted wool; remains of fine buff silk lining.

L. C. i. 03. Fragment of felt; yellow; laminated.

L. C. i. 04. Fragment of coarse woollen cloth; plain.

L. C. i. 05. Fragments of plain silk, buff, crimson and blue.

L. C. i. 06. Part of padded garment made of strong cotton cloth with wool or silk waste as padding and lined with plain silk; on front, remains of polychrome figured silk woven in beast and cloud design different from L. C. 07. a., and more angular in treatment. To right, a winged, dog-like beast with open jaws; next, a bird, like a plump partridge, placed at right angles to the direction of the general scheme; then a striding leopard. The triple spiral and pronged element occurs and Chinese lapidary characters at intervals. Colours: buff, blue, dark green, rich copper (ground). Very ragged and perished.

L. C. i. 07, 07. a. Fragments, similar design to preceding, but slightly different treatment.

L. C. i. 08. Fragment of woollen pile carpet with "latch-hook" pattern; red, brown and dull yellow.

L. C. i. 09. Three fragments of polychrome figured silk; pattern: cloud scrolls with occasional floral out-growths, and beasts. To right near selvedge, a winged leopard, rampant, with reverted head; next, a winged sheep; facing sheep, a large-headed horned and winged monster. Chinese characters near first and third beasts, the first character read as "myriad" (Dr. Giles). Colours: yellow, crimson, green, blue (ground). Lining, plain buff silk; *cf.* L. C. iii. 011.

L. C. i. 010. Fragment of figured silk in two pieces; pattern: lozenge all-over, similar to L. C. v. 027. a., *q. v.*

L. C. i. 011. Fragment of cotton damask; pattern: large lozenge; colour, pink.

L. C. i. 012. Fragment of woollen cloth; plain.

L. C. i. 013. Fragment of plain silk; fine texture; buff.

L. C. ii. 01. Fragment of figured silk with very narrow design, repeating vertically. Design: to right, *t'ao t'ieh* monster, very angularly drawn, reminiscent of Polynesian ancestry (?); next, a stylistic tree; then a winged lion-like beast advancing left towards another tree of different type from the first; next, the hinder part of a dragon-like creature with thin bifurcate tail. Rest of design missing. Colours: very dark bronze-green on dark yellow-brown ground. *Cf.*, for variations of same motif L. C. x. 04.

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L. C. ii. 02. a. Felt cap or bag lined with silk; felt, yellow; silk, green.

L. C. ii. 02. b. Silk, cotton and woollen fabrics; plain; with silk waste and hair (human).

L. C. ii. 03. Fragment of polychrome figured silk; design: clouds and beasts; a winged leopard leaping downwards towards a winged goat flying upwards and a goose between, standing at right angles to general line of design. To left, the triple spiral and prongs element. Three Chinese lapidary characters read by Dr. Lionel Giles as "may your years be prolonged (and your longevity) increased". Colours: blue, buffs, green, bronze-brown (ground).

L. C. ii. 04. Fragment of figured silk; pattern: a repeating lozenge with small lozenge intersecting at each angle; colour: blue lines on yellow ground.

L. C. ii. 05. a-i. Miscellaneous rags with fragments of bone and charcoal. (*a*) as L. C. 031. b. (*b*) silk chequer damask; brown (*c*) two fragments of woollen pile carpet; crimson and yellow. (*d*) repp; green. (*e*) box-cloth; crimson, with green silk attached. (*f*) strong cotton cloth sewn at one end into a pocket, the other bordered with green silk. (*g*) lock of human hair and fragments of calcined bone. (*h*) plain silk fragments; blue, green and crimson. (*i*) fragments of silk, grass and bone.

L. C. ii. 06. Mass of fragments similar to preceding but without figured silk, carpet, box-cloth or hair.

L. C. ii. 07. a. Strip of figured silk similar to L. C. iii. 011., *q. v.*

L. C. ii. 07. b. Fragments of silk fabrics including strip, loosely woven with group of three interlacing lozenges repeating at intervals and a pair of rings between repeats; colour: bright green and red on yellow ground. Attached, a piece of red flannel, fragment of plain dark green silk and some silk waste.

L. C. ii. 07. c. Three fragments of figured silk as L. C. 03, with lining and felt attached.

L. C. ii. 08. a. Fragment of figured silk as L. C. iii. 04. b., *q. v.*, with padding of felted waste.

L. C. ii. 08. b. Mass of silk rags, some very beautifully woven; buff, brown and green. One piece made into small bag with silk tassel at each lower corner.

L. C. ii. 09. a. Fragment of woollen pile carpet as L. C. iii. 014. Colours: brown, red, blue, green and yellow; design: in bands, indeterminate; "latch-hook" in brown on yellow in one.

L. C. ii. 09. b. Two fragments of woollen pile carpet; pattern: lozenge of green bands with centres of buff and green spots.

L. C. ii. 011. Two fragments of silk girdle composed of strong braid and figured (indistinguishable) silk; edges corded and the whole sewn to foundation of dark brown woollen fabric; perhaps part of shoe.

L. C. ii. 013. Fragments of silk.

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L. C. ii. 014. Fragment of woollen pile carpet; warp, hemp (?); long pile; five shoots of weft between rows of pile; pile also on back at edge.

L. C. ii. 016. Fragment of woollen fabric with silk warp; surface velvety and seems to have been "teased" up and felted; crimson with band of purple; *cf.* L. C. i. 01..

L. C. ii. 017. Fragment of woollen pile carpet; loosely made; colours: red, pink, yellow, purple-brown, pale blue and buff.

L. C. iii. 01. Fragment of figured silk as L. C. i. 09 and iii. 011.

L. C. iii. 02. Fragment of polychrome figured silk. Design consists of two detached fragments of cloud scroll, one smaller than the other, very decoratively drawn and vaguely suggesting animal and bird forms. (For similarly elusive suggestion, *cf.* L.C. 02 and Ast. vi. 02.). This pair of forms is repeated across the fabric. Colours: rich blue, two tones of buff and green, on rich dark bronze ground. Fine example.

L. C. iii. 04. a. Fragment of figured silk as L. C. 08, with padding and plain lining.

L. C. iii. 04. b. Fragment of body-band of figured silk; pattern: a mesh of yellow hexagons on blue ground; in each lozenge, six yellow dots surrounding a central dot; top and bottom sides of hexagons are thickened and in centre of each thickened side, a blue spot.

L. C. iii. 04. c. Fragment of figured silk as L. C. iii. 017. b., with pieces of plain blue silk.

L. C. iii. 04. d. Fragment of loosely woven gauze in large check pattern; blue and brown-yellow warp and weft giving blue, yellow and "broken" chequers.

L. C. iii. 010. a. Fragment of tapestry; part of human face about half life-size. Conventions of work and colouring closely follow those of the Mīrān wall paintings. To right of face, an object resembling a caduceus, in yellow and green. Further to right, the shoulder, hair, etc., of a second figure (?). Background, blue. Very skilful work.

L. C. iii. 010. b. Three fragments of tapestry, originally joined to L. C. iii. 010. a.; very fragmentary but probably a variation of horse-legged bird motif of L. C. v. 02. a., *q. v.* Colours: blue, dark brown, red, purple and two greens.

L. C. iii. 011. Fragment of polychrome figured silk garment. Design: cloud scrolls, resembling "tree" coral, with grotesque beasts in undulations; among these is a horseman on a trotting horse; some of the beasts, dragon-like and winged. A few Chinese lapidary characters near one edge of fragment, giving the same reading as L. C. ii. 07. a. The cloud-scrolls often show "rococo" forms and colour treatment. Colours: crimson, buffs, green and dark blue (ground).

L. C. iii. 012. Fragments of figured silk; obscure; probably resembling L. C. iii. 017. b.

L. C. iii. 013. Mass of plain silk fragments; buff, crimson, green and blue.

L. C. iii. 014. Fragment of woollen pile carpet; pattern in "rainbow" bands and patterns too fragmentary to make out; colours: red, salmon-pink, light brown, pale pink, yellow, two blues and grey.

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L. C. iii. 015. Fragments of woollen pile carpet; pattern: fragmentary; colours: wine-red, light indigo, rich crimson, yellow, two blues, grey (or green), brown and pale pink.

L. C. iii. 016. Fragment of figured silk in two pieces; pattern: obscure.

L. C. iii. 017. a-c. Fragment of figured silk garment composed of pieces of three different patterns. (*a*) cloud scrolls and grotesque beasts; some winged. Faded to buff excepting the blue, which remains. (*b*) probably similar to L. C. i. 06. (*c*) similar to L. C. iii. 011.

L. C. iii. 018. Fragment of figured silk similar type to L. C. i. 06; lapidary characters in blue, which is unusual.

L. C. iii. 019. Fragment of figured silk; selvedge similar to that of L. C. iii. 011.

L. C. iii. 020. Fragment of figured silk with counterchange (?) pattern too fragmentary to reconstruct; colours: rich yellow and blue.

L. C. iv. 01. a, b. Two silk bags; triangular patchwork white, green, blue, red and yellow; lined white.

L. C. iv. 01. c. Mass of plain silk fragments and piece of woollen cloth; colours: buff, pale blue, dark blue and crimson.

L. C. iv. 010. Scrap of woollen fabric, plain; dark brown.

L. C. v. 01. Fragment of fine tapestry; a broad band of pattern divided into five lesser parallel bands. Central and broadest has finely drawn Chinese fret pattern with curious very stylised floral sections at each end of fret; on each side of this band is a band of red, shaded to purple at its outer edge; and on the purple edge of each is a delicate scroll in yellow with little leaf-forms. The ground on each side of this group of five bands is rich dark green.

L. C. v. 02. a. Strip of fine tapestry; design in seven bands: central band, an acanthus "nest" from which rises breast and head of bird in profile between thin scrolls (wings). On either side and facing nest, a bird with upraised wing, solid upward-curved scorpion tail and the legs of a horse thrown well forward; supported on a scalloped cloud. This motif is repeated. "Rainbow" shaded, and floral borders make up the other six bands. Colours: crimson, buff, brown, green, pink, blue. Ground of central band purple-brown.

L. C. v. 02. b. Fragment of woollen damask (lining of L. C. v. 02. a.); lozenge pattern; *cf.* L. C. i. 011.

L. C. v. 03. Fragment of tapestry band; divided into four narrower bands; design: repeating stiff lily-like form in changing colours of yellow, green and blue on crimson ground form one band; on each side "rainbow" shaded bands from blue to crimson; a band with groups of four square buff dots, with lily-like petals, blue and green, right and left, leading from dots, on dark brown ground.

L. C. v. 04, 05. Fragments of tapestry similar to preceding.

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L. C. v. 06. a. Fragment of fine tapestry; design: lily-like forms repeating, in various colourings on purple-brown ground, with rainbow borders.

L. C. v. 06. b. Fragment of woollen fabric, coarse; plain; sewn to another rather finer; lining from L. C. v. 06. a.

L. C. v. 07. Fragment of tapestry border; two bands of crimson and black.

L. C. v. 08. Piece of hair (?) string trace with loop at end; remains of covering of fine wool, probably padding, originally covered with some material.

L. C. v. 09. Fragment of tapestry; design: a square flower with blue and yellow petals on red ground; to left, a lily-like flower; extreme left, a bird with upraised wings. Very stylised and of same type as L. C. v. 06. a.

L. C. v. 010. Fragment of woollen "box-cloth", as L. C. i. 01.

L. C. v. 011. Fragment of woollen repp, as L. C. ii. 05. d.; warp, a fine glossy fibre; weft, fine pale green wool.

L. C. v. 012. Fragment of fine plain silk; buff.

L. C. v. 013. Silk-covered felt pad, "vesica"-shaped; with part of larger embroidery in chain-stitch on one side; plain on other; edge bound with brown, lozenge, silk damask; blue ribbon for suspension.

L. C. v. 014. Fragment of figured silk; pattern: stepped scrolls in blue, buff and red; indistinct.

L. C. v. 015. Mass of silk fragments, plain; various colours; two pieces of tapestry, pattern: indeterminate.

L. C. v. 016. Fragment of cotton cloth; coarse; plain.

L. C. v. 017. Two fragments of figured silk; pattern: rows of rectangular billets alternating with rows of various patterns; e.g., meander; concentric circles and dots; chevron; dumb-bell, etc.; *cf.* L. C. 031. b. and L. C. ii. 05. a. Blue (or dark green) and bronze.

L. C. v. 018. Cuff (?) of woollen repp; crimson; edged with silk, green; lined with felt and patched with finer repp; brown.

L. C. v. 019. Strip of woollen tapestry; pattern: a band of transverse bars between shaded border bands; outer side, a band of small chequer; colours: dark blue, red, yellow and green.

L. C. v. 020. Fragments of plain felt and silk waste.

L. C. v. 021. Fragment of buff felt with four-petalled flower of thin blue felt appliqué secured by stitching.

L. C. v. 022. Fragment of thick silk gauze woven in alternate solid and open-work lines.

L. C. v. 023. Scrap of figured silk, similar to L. C. v. 027. b.

L. C. v. 024. Mass of woollen and cotton fabrics, coarse; plain; red, dark brown and buff.

L. C. v. 025. Three fragments of woollen repp, red and buff.

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L. C. v. 026. Fragment of woollen damask as L. C. v. 02, but light brown.

L. C. v. 027. a. Three fragments of figured silk; pattern: a lozenge lattice of green-buff lines on grey-blue ground, with rosettes at the crossings and in each lozenge space a pair of grotesque rams confronting, their bodies curved upwards and towards each other a small ball or spot in the space between and above their heads. The pattern is reversed in the adjoining spaces above and below; *cf.* L. C. v. 027. b.

L. C. v. 027. b. Seven fragments of figured silk; same motif as preceding but simplified to the extent that the two rams have become a mere undulating band and the rosette, a square.

L. C. v. 028. Three fragments of woollen canvas; pink green and buff.

L. C. v. 029. Fragment of silk; corded; fine; crimson.

L. C. v. 030. Fragments of plain silk; extremely fine, dark pink and looser dull ochre, sewn together.

L. C. vi. 01. Fragment of silk damask; "pheasant's eye" or *bulbul chashm*.

L. C. vi. 02. 05. Fragments of silk, plain; pink, blue, buff and white.

L. C. vi. 03. Fragment of figured silk as L. C. 01., *q. v.*

L. C. vi. 06. Fragment of silk waste.

L. C. vii. 01. Miscellaneous fragments of fabrics; cotton, silk and wool.

L. C. vii. 02. Fragment of figured silk; pattern: angular meander, each turn being a half-hexagon, with two spots in each hollow excepting at the seventh, fourteenth, twenty-first and twenty-sixth bend, in which are Chinese lapidary characters read by Dr. Lionel Giles as "May your posterity continue to adorn each succeeding generation". Other characters are along the selvedge; dull yellow pattern on blue ground.

L. C. vii. 04. Mass of fragments of silk embroidery; ground, fine corded crimson silk; embroidery in chain-stitch: graceful flowers and leaves on stems of changing colour with small petal-shaped spots *semé* in patches; colours: blue, brown, and buff.

L. C. vii. 05. Fragments of silk and human bones; some of the silk embroidered and belonging to preceding; bones are from foot of woman or child.

L. C. vii. 06. Two fragments of plain silk garment; buff and green with stiffening of coarse brown canvas.

L. C. vii. 07. a, b. Fragments of figured silk garment consisting of strips with plain strips between. The form of the garment is long elliptical with a bow of blue silk at one end. There is also a cord formed by over-sewing plain silk upon felt. Pattern on figured silk: cloud scroll; a small piece similar to L. C. i. 06. Two detached pieces (*b*) may belong to garment; they show a floral scroll in blue, green and buff on copper ground.

L. C. vii. 09. Fragments of silk damask, of good design and make. Pattern: a stepped chevron band with fret pattern along it, runs across material at regular intervals in such a way as to form lozenge-shaped spaces (open at their ends). In these spaces are grotesque animals and birds in pairs, the birds being at right angles to the beasts as in many of the polychrome examples; birds seem to be peacocks or phœnixes and are

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confronted, regardant. The beasts are placed feet to feet so that they are reversed on the short axis of the lozenge. Further details not fully elucidated.

L. C. ix. 01. Fragments of silk rags; buff and cream.

L. C. ix. 02. Fragment of figured silk in imitation of tiger-skin; dark brown on yellow.

L. C. x. 01. Mass of silk fragments; plain; dull green, blue, white, crimson and buff; a bow and some fibre.

L. C. x. 02. Fragment of woollen pile carpet; no pattern visible; pink and dark brown.

L. C. x. 03. Four fragments of woollen fabric; coarse, ribbed; red, brown and buff.

L. C. x. 04. Fragment of figured silk in many pieces; design: large t'ao-t'ieh ogre with grotesque winged (?) beast at each side, facing it and rippling cloud masses above beasts; a rippling band runs from jaws of t'ao-t'ieh, right and left. The pattern is finely drawn and woven in rich blue and yellow and repeats vertically; laterally it is incomplete; weft perished; *cf.* L. C. ii. 01.

Leather.

L. C. 04. a. Fragment, white; hair in places, lined with buff felt and remains of fine silk.

L. C. 06. f, 011. Fragments, white kid, tanned; 06. *f*, has contained pink powder (?).

L. C. ii. 015. Strip, split into two thongs doubled over each other and held together by leather eyelet; a twist of rough grass attached.

L. C. iii. 05. Fragment of whip made of thongs of white leather plaited round core of hair string.

L. C. iv. 03. Three fragments of plaited leather thongs.

L. C. iv. 04. Forehead ornament for horse (?); strap ending in disc; with crimson woollen pile worked in a line down centre of strap and round disc.

L. C. x. 010. Object in form of large fish-head stuffed with fibre; on one side, a raised boss covered with blue felt and projecting from it, a tab with crimson felt button attached; part of saddle (?)

L. C. x. 014. Fragment, well dressed; with stitching marks.

Fibre and Grass.

L. C. 05. Ovoid basket woven very closely with fine grass (?) on bamboo stakes. Remains of lacquer or varnish inside and out.

L. C. ii. 010. Two fragments of hemp-string matting.

L. C. iii. 06. Fragment of grass rope.

L. C. iv. 05. Fragment of hemp string.

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Miscellaneous.

L. C. 028. Bone object, small gourd-like cup with holes bored through opposite sides near lip.

L. C. x. 017. Horn, curved; plugged at end and pierced through centre with two rectangular holes.

OBJECTS FROM L. C.-L. G.

Stone implements, etc.

L. C.-L. G. 07, 08. Fragments.

L. C.-L. G. 09, 010. Chert cores.

L. C.-L. G. 011. Jasper point.

L. C.-L. G. 012-014. Blade fragments.

Pottery.

L. C.-L. G. 015. Fragment; coarse; dark grey; incised chevron lines.

Metal.

L. C.-L. G. 01-06. Bronze fragments; sheet and rod.

OBJECTS FROM DWELLING L. D.

Stone implements.

L. D. 025. Blade fragment.

Pottery.

L. D. 08. Fragment of rim and shoulder of vessel, large, thick and heavy; dark grey.

Glass.

L. D. 013, 014, 026-028. Glass beads and fragments of beads.

L. D. 015, 016, 030. Fragments of vessels. 015, blue; 016, green; 030, horn colour.

Metal.

L. D. 05. Fragment of iron caldron; similar to N. XLI. 01.

L. D. 09. Fragment of bronze mirror with band of Chinese characters between rayed bands; band of circle-segments as in L. A. 0124.

L. D. 010. Bronze buckle loop.

L. D. 011, 024. Bronze studs.

L. D. 012. Fragment of bronze plate; pierced.

L. D. 018. Bronze ornament; circular plate, pierced, with fleur-de-lis ornament at one side.

L. D. 019. Iron wire.

L. D. 020, 021. Fragments of bronze finger-ring with circular setting on hoop.

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L. D. 022. Bronze wire.
L. D. 023. Bronze rosette; scalloped edges.

Stone.

L. D. 017, 029. Fragments of agate beads.

Wood.

L. D. 01. Circular lid slightly domed.
L. D. 02, 03. Two "dead-eye" pulleys.
L. D. 04, 07. Wooden writing tablets (covering tablets) with seal cavities.

Miscellaneous.

L. D. 06. Horn spoon; long handle; broken.

OBJECTS FROM BETWEEN L. D. AND L. G.

Stone implements.

L. D.-L. G. 02. Fragment of point.
L. D.-L. G. 018. Fragment of implement (?)

Metal.

L. D.-L. G. 03, 04. Bronze fragments; 03, bar; 04, tube.
L. D.-L. G. 019. Iron ring.
L. D.-L. G. 020. Iron nail.

Stone.

L. D.-L. G. 017. Cornelian bead fragment.

Wood.

L. D.-L. G. 01. Leg of food tray; lion-leg shape; as L. C. x. 06, 07.

OBJECTS FROM L. E. SITE.

Stone implements.

L. E. 03, 04. Chert blades.
L. E. 05. Jasper arrow-head; leaf-shaped.
L. E. 06. Jasper point.

Metal.

L. E. 01. Bronze arrow-head; type (a).
L. E. 02. Fragment of bronze arrow-head, rhombic section.

OBJECTS FROM L. F. SITE.

Stone implements.

L. F. 024. Jasper blade.
L. F. 025. Jade (?) celt, black; fine edge.

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L. F. 026. Implement indeterminate; quasi-celt.

L. F. 027. Jade fragment.

Metal.

L. F. 06. Fragment of bronze mirror; shows part of band of circle-segments; Chinese characters between segments.

L. F. 07. Fragment of bronze mirror; plain edge and rayed border.

L. F. 08. Bronze ferrule, as from end of sheath.

L. F. 09, 010, 015. Bronze rings.

L. F. 016. Fragment of bronze band.

L. F. 017. Fragment of bronze rod.

L. F. 021. Bronze link like two linch-pins, linked together.

L. F. 022. Bronze buckle-tongue; cast.

L. F. 023. Fragment of bronze nut or washer.

L. F. i. 02. Gold finger-ring; round bezel with ruby or cornelian jewel surrounded by grains of gold; hoop, reeded; *see* also under Stone.

Stone.

L. F. 02. Lump of talcite.

L. F. 3. 04. Jade (?) bead, tubular.

L. F. i. 02. Ruby or cornelian jewel in gold ring; *see* also under Metal.

Wood.

L. F. 05. a. Pin with barrel head carved with rows of triangles; *see* also under Textiles and Fibre and Grass.

L. F. 013, 014. Two pins; thickened heads; from shroud; *cf.* L. F. ii. 04.

L. F. 3. 01, 02. Pins. 01, as L. F. ii. 04; decoration as L. F. 05. a, 02, without thickened head.

L. F. i. 01. Two fragments of lacquered cane; traces of red with black lines.

L. F. ii. 01. Fragment with traces of pink paint.

L. F. ii. 02. a-c. Three writing sticks.

L. F. ii. 03. Stick, squared at end and drilled.

L. F. ii. 04. Pin; cylindrical head with incised spiral ornament.

L. F. ii. 06. Fire-stick, female; three "hearths".

Textiles.

L. F. 01, 04. Man's felt head-dresses shaped to fit close to head and coming down low at back and with extensions over ears and down to chin where there are cords for tying. Rows of long stitches of red cord run round the cap; on left are five upright plumes mounted on wooden skewers and threaded through the felt, and a cross-piece of wood to which they are attached about half way up, acts as a spreader. On top of cap is a crest formed by the skin of a mongoose (?) mounted with head looking to front. 04, is the more perfect.

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L. F. 03. Fragment of canvas from shroud; hemp (?)

L. F. 05. Piece of woollen canvas found with L. F. 05. a; *see* also under Wood and Fibre and Grass.

Paper.

L. F. i. 03. Fragment; tough and leathery; blank.

Fibre and Grass.

L. F. 05. Woven grass basket (from grave) similar to L. C. 05., but more pointed at lower end with double-chevron line worked in cane round upper part. With this, a piece of woollen canvas containing grains of wheat; a quantity of short stalks of the *ephedra* shrub and a wooden pin; *see* also under Wood and Textiles.

L. A. 012. Fragment of basket similar to preceding.

L. F. iii. 02. Oats and straw.

L. F. 1. 01, 04. Baskets similar to L. F. 05, 012. 01, fragment. 04, complete with cane zigzag ornament.

L. F. 1. 03. Stalks of *ephedra* (?) from tied-up end of shroud; *cf.* L. S. 3. 01.

Miscellaneous.

L. F. 011. Slab of charred bone (?); rectangular; circular hollow near centre of one face.

L. F. ii. 05. Hind leg of kid.

L. F. 3. 03. Bone pin with lenticular head; finely made and very smooth.

OBJECTS FROM OR FROM NEAR L. G.

Stone implements.

L. G. 02. Jasper core.

L. G. 03. Celt-shaped; soft schist.

L. G. 05-08. Flakes.

L. G. 09. Fragment of scraper.

Pottery.

L. G. 01. Handle; coarse; grey.

Glass.

L. G. 04. Glass bead; rectangular, flat; yellow.

Metal.

L. G. 010. Bronze buckle; circular; with tongue.

L. G. 011. Arrow-head; type (a).

L. G. 015. Fragment of bronze plate.

OBJECTS FROM L. H. SITE.

Pottery.

L. H. 031. Handle, ear-shaped.

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Metal.

L. H. 05. Fragment of iron bar.

Wood.

L. H. 01. Cup or dipper with small ring-handle; cut from one piece.

L. H. 02. Food-tray; circular; three-legged, one leg missing; upper surface has raised edge; under surface has three ribs radiating from centre, all cut in the solid; legs, lion-leg type.

L. H. 03. Box; elliptical; sides formed of bent strip, overlapped at ends and sewn with cane; bottom is fastened to sides by wooden dowels driven askew from below; scratched ornament on sides.

L. H. 012. Cup, without handle; small base.

L. H. 013. Food-tray; elliptical; shallow; under-side is thick at the four points where leg-tenons are fitted; four-legged, one leg missing; legs, waisted cylinders; tray, scored with knife-cuts.

L. H. 023, 025-027. Four arrows; no heads, but sharpened at ends; feathers, binding and ornament.

L. H. 028, 029. Two food-tray legs; lion-leg type.

L. H. 030. Leg of food-tray; waisted cylinder type.

Textiles.

L. H. 04. Woollen tapestry shoe, woven to shape; worked with heraldic lions and birds and other ornament. Good work. String sole.

L. H. 06, 08, 010, 014, 016, 017, 020. Fragments of plain silk in various colours.

L. H. 07. Fragment of woollen pile carpet; crimson, buff and pink; perished.

L. H. 09. Fragment of figured silk; pattern: cloud-scrolls, indistinct.

L. H. 011. Fragment of silk damask; pattern: indistinct, large lozenge and scrolls.

L. H. 015. Fragment of shoe resembling L. H. 04., *q. v.*

L. H. i. 01. Mass of silk and canvas rags.

Fibre and Grass.

L. H. 018, 019. Fragments of fabric woven in fibre; perhaps part of shoe.

OBJECTS FROM MESAS L. I.

Stone implements.

L. I. 010. Fragments, grey.

L. I. 012. Jasper arrow-head.

L. I. 015. Jade celt.

L. I. 016. Fragment with hole in corner; black.

L. I. 017, 018. Two points.

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Pottery.

L. I. 01-04. Fragments, coarse and containing chips of stone; ornamented with "cable" and "chain" bands.

Glass.

L. I. 013. Fragment of glass bead.

Metal.

L. I. 05. Two fragments of bronze arrow or javelin heads.
L. I. 06. Fragment of bronze sheet.

Stone.

L. I. 07-09. Mica fragments.

Miscellaneous.

L. I. 011. Coarse grit.

OBJECTS FROM WATCH-TOWER L. J.

Pottery.

L. J. 04-06. Fragments; coarse; grey-red.

Metal.

L. J. 01. Eighteen bronze arrow-heads found within one and a half square feet on line of ancient Chinese route. Solid blade, triangular in section, triangular faces slightly rounded towards point; shank, hexagonal; cast with iron tang; type (a).

Wood.

L. J. 03. Fragment; smoothed on one side.

Fibre and Grass.

L. J. 02. Mass of rush matting.
L. J. 09. Fragments of grass and twigs from below tower.

OBJECTS FROM OR FROM NEAR FORT L. K.

Stone implements.

L. K. 073-078, 085, 0112, 0117, 0118, 0119, 0120, 0135-0154. Fragments, worked; including jasper pigmy blades, chips, blades and cores.
L. K. 079. Chisel-shaped; hard, grey.
L. K. 0111. Jasper arrow-head; leaf-shaped.
L. K. 0127-0129. Roughly worked; 0128, celt.
L. K. 0130. Sphere, flattened at sides.
L. K. 0161, 0162. Celts, roughly worked.
L. K. Fort 04, 05. Jasper arrow-heads, leaf-shaped.

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Pottery.

L. K. 091. Fragment of rim of vessel; coarse; blackish.

L. K. 0113. Fragment, fashioned as spinning whorl (?)

L. K. 0115, 0116. Fragments; red with buff slip.

L. K. 0123-0126. Fragments; red and (0123) black.

L. K. 0131, 0132. Slag.

L. K. iv. 01. Fragment; coarse; red; incised circles and chevrons.

L. K. Fort 09. Fragment from mouth and shoulder; incised nebula.

Glass.

L. K. 012, 014, 015, 019-021, 049, 057, 059, 092, 097, 0101, 0102, 0105, 0107, 0108. Glass beads and fragments of beads.

L. K. 016. Fragment of glass ring; blue.

L. K. 022. Fragment of glass vessel with raised rib.

L. K. 051. Glass jewel; blue; *see* also under Metal.

L. K. 056. Fragment of glass vessel; moulded or cut decoration.

L. K. 058. Fragment of glass ring.

L. K. 061-067. Fragments of ornamental glass vessels.

L. K. 088. Fragment, rich blue.

L. K. 096. Glass cone, opaque.

L. K. 099, 0100. Fragments from glass vessels.

L. K. 0106. Fragment of glass appliqué rod.

L. K. ii. 02. Glass bead; bugle.

L. K. Fort 06. Glass bead; triple bulb.

Metal.

L. K. 01. Bronze brooch; elliptical; jewel lost.

L. K. 02-05. Fragments of bronze plate.

L. K. 06-011, 081. Bronze fragments; 06, from loop of buckle. 07, 08, stud heads; 09, buckle tongue; 010, plate; 011, stud head with iron shank.

L. K. 023-044. Bronze fragments; 024, from spoon handle. 040, nail head. 044, plate; drilled at each end.

L. K. 045, 046. Bronze bangles of flat wire.

L. K. 051. Bezel of bronze ring with blue paste jewel; *see* also under Glass.

L. K. 052. Lead cone with vertical hole; originally silver-covered; fragments of silver remaining.

L. K. 053. Bronze fragments, from rings, studs and wire.

L. K. 069. Fragments of bronze bangle (?) moulded with annular rings.

L. K. 080, 082, 0114, 0121, 0122, 0133. Iron fragments.

L. K. 083, 089. Bronze buckles; 083, elliptical with tongue. 089, elliptical, tongue lost.

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L. K. 084. Bronze implement; battle-axe-shaped.
L. K. 090. Bronze wire, flattened at one end.
L. K. 093. Fragment of bronze ring.
L. K. 0110. Fragment of bronze ornament; triangular.
L. K. ii. 01. Fragment of bronze plate.
L. K. iv. 02. Fragment of iron agricultural implement in wooden handle; *see* also under Wood.
L. K. i. 01. Fragment of bronze hook-fastening in two pieces.
L. K. Fort 07. Silver ear-ring with traces of gilding; repoussé; sheet and wire.

Stone.

L. K. 048. Cornelian bead fragment.
L. K. 054. Pebble, white (or piece of shell).
L. K. 055. Talc fragment.
L. K. 098. Lignite (?) disc; broken.
L. K. i. 02. Pestle; basalt (?); ellipsoidal.
L. K. Fort. 08. Flat triangular object with slightly convex sides, drilled through centre; white.

Wood.

L. K. 0103. Bead (nut ?); drilled.
L. K. iv. 02. Handle of agricultural implement; iron tang and rivet only remaining in wood; *see* also under Metal.

Textiles.

L. K. v. 01, 02. Fragments of felt.

Fibre and Grass.

L. K. i. 01. Fragment of hemp rope.

Miscellaneous.

L. K. 013, 047, 0104, 0109. Small hard black balls; natural formation (?) and used as charms; *cf.* L. M. 063-069.
L. K. v. 03, 04. Two goose (?) feathers.

OBJECTS FROM BETWEEN L. K. AND L. L.

Stone implements.

L. K.-L. L. 01. Jade celt.
L. K.-L. L. 02, 03. Flakes.

OBJECTS FROM SOUTH-EAST OF L. M. (L. K.-L. M.)

Glass.

L. K.-L. M. 01-03, 010. Fragments of glass beads; blue and green.
L. K.-L. M. 04-09. Fragments of glass; plain, cut and moulded.
L. K.-L. M. 011-014. Four fragments of glass beads. 013, double-bulb, gilded.

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OBJECTS FROM RUINED FORT L. L.

Stone implements.

L. L. 012. Core; black.

Pottery.

L. L. 011. Fragment; fine black.

Metal.

L. L. 04. Bronze frame, oblong; on thin string.
L. L. 05. Fragment of iron slag.
L. L. 010. Fragment of bronze; concavo-convex.

Stone.

L. L. 08. Piece of marble.

Textiles.

L. L. 01. Fragments of felt, canvas, silk etc., with hair rope and hemp cord; *see* also under Fibre and Grass.

L. L. 02. Fragment of resist-printed silk; blue with diagonal trellis arrangement of white dots and rosette of seven dots in each lozenge space; *cf.* Ast. vi. 3. 07. etc.

L. L. 03. Felt cord; three strands.

L. L. 06. Miscellaneous fabrics etc.; wool, felt, thread, string, plaited grass, etc.; *see* also under Fibre and Grass.

L. L. 07. Bundle of felt fragments with string and pieces of woollen jean.
L. L. 013. Strip of woollen fabric; buff, plain.
L. L. 014, 015. Strips of felt and remains of figured woollen fabric stitched to 014.
L. L. 016. Hank of cotton (?) thread; undyed.

Fibre and Grass.

L. L. 01. Fragment of hemp cord; with rags etc.; *see* also under Textiles.
L. L. 06. Fragments of plaited grass and string; *see* also under Textiles.
L. L. 09. Chopped straw.

OBJECTS FROM BETWEEN SITES L. L. AND L. M.

Stone implements.

L. L.-L. M. I. 01. Chert core.
L. L.-L. M. I. 03-06. Jasper flakes, black grey and yellow.
L. L.-L. M. I. 011. Celt (?) green stone; rough.
L. L.-L. M. I. 012, 013. Jasper flakes; dark brown.

Pottery.

L. L.-L. M. I. 014. Fragment from lip and neck of vessel.

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Glass.

L. L.-L. M. I. 02, 07-010. Glass fragments; 02, curved, with raised band. 07, from lip of vessel. 07-010, blue.

L. L.-L. M. I. 019. Fragment of glass bead; opaque yellow.

L. L.-L. M. I. 021, 026. Glass beads; 021, blue. 026, gilded.

L. L.-L. M. I. 022. Half glass bead; bugle.

Metal.

L. L.-L. M. I. 015. Fragment of iron; thin, bent.

L. L.-L. M. I. 016. Fragment of bronze finger-ring; tubular, filled with lac.

L. L.-L. M. I. 025. Bronze finger-ring; plain.

Stone.

L. L.-L. M. I. 020. Cornelian bead.

Miscellaneous.

L. L.-L. M. I. 017, 018. Fragments of shell; white.

OBJECTS FROM SITE L. M.

Stone implements.

L. M. 04, 043, 055. Jade celts.

L. M. 05. Fragment of jade.

L. M. 06-09, 056. Cores.

L. M. 010, 0155. Jasper arrow-heads, leaf-shaped.

L. M. 011. Square prism; dark brown.

L. M. 012-024, 0156. Blades; 0156, sard.

L. M. 052. Scraper (?); dark grey.

L. M. 057-059. Three cores (?).

Pottery.

L. M. 01, 03, 061, 062. Spinning whorls.

L. M. 02, 042, 0122. Fragments, glazed. 02, spongy, red; dark brown glaze; incised lines through glaze. 042, grey; glazed green. 0122, red, glazed green.

L. M. 054. Fragment; stone ware; facetted.

L. M. 0135. 0136. Pottery clinkers.

L. M. 0153. Fragment; light red.

Glass.

L. M. 025, 071-082, 094-099, 0101, 0134. Glass fragments. 025, dark blue, cut pattern outside. 071-082, fine blue, as L. M. 070. 094-099, with pattern in applied ribs, 0101, rod, dark blue as L. M. 070. 0134, opaque; brown colour.

L. M. 034. Slag.

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L. M. 070. Spout; curved tapering; fine translucent blue; well made.
L. M. 083-093. Glass beads and bead fragments, various shapes and colours.
L. M. 0100. Fragment of glass, cut to disc as though for ring-jewel.
L. M. 0133. Fragment of glass; opaque, chocolate-coloured.

Metal.

L. M. 026. Bronze stud; square pyramidal head.
L. M. 030-033. Fragments of bronze ornament and sheet and (031) a well made buckle.
L. M. 035-040, 0140-0143. Fragments of bronze nails and wire.
L. M. 041. Iron rivet.
L. M. 044-049. Bronze nuggets.
L. M. 051. Iron punch or chisel.
L. M. 0103-0117. Fragments of bronze, mostly sheet. 0103, rim of vessel.
L. M. 0118. Bronze ring.
L. M. 0119. Fragment of cast bronze anthemion-like ornament; each lobe with hole or depression near end for jewel (?).
L. M. 0120. Fragment of bronze rod with iron core.
L. M. 0129. Bronze brooch as L. K. 01; with plain and cable border.
L. M. 0130. Bronze ring; wire.
L. M. 0131. Bronze "grelot" bell complete.
L. M. 0132. Iron flake.
L. M. 0144. Fragment of long bronze spoon-bowl.
L. M. 0145-0147. Fragments of iron implements; 0145, with curved end, broadened, with three points, perhaps a potter's tool for running mouldings.
L. M. 0148. Fragment of lead drilled at one end.
L. M. 0149. Bronze pin.
L. M. 0150. Bronze miniature spoon: ear-pick (?)
L. M. 0154. Fragment of bronze sheet, with rivet.

Stone.

L. M. 053. Piece of marble (?), white and grey.
L. M. 0102. Pebble; bean-shaped; creamy white.

Textiles.

L. M. 0139. Fragment of woollen string bound round with crimson and buff thread.

Miscellaneous.

L. M. 060. Bone spinning-whorl.
L. M. 063-069. Seven small hard balls; blackish; opaque; *cf.* L. K. 013, etc,
L. M. 0121. Fragment of shell.
L. M. 0137, 0138. Grains of Indian corn.

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OBJECTS FROM ROOM i. OF RUIN L. M. I. (L. M.)

Wood.

L. M. I. i. 017. Food-tray, oblong with round ends; four pyramidal feet; knife-scored on both surfaces.

L. M. I. i. 018. Grain measure (?) cylindrical; bottom fastened to sides with wooden dowels.

Textiles.

L. M. I. i. 01. Fragments of woollen tapestry; design: obscure; includes very stylised leaves and grotesque animals and perhaps birds; colours: red, blues, green and buffs; faded.

L. M. I. i. 03. Flat plait of fine woollen thread; buff.

L. M. I. i. 06, 010. Fragment of plain silk; white.

L. M. I. i. 07. Fragment of woollen damask; coarse.

L. M. I. i. 08. Fragment of resist-dyed silk with rosettes of seven spots divided by large spots; *cf.* L. M. I. i. 09 and Ast. VI. iii. 03.

L. M. I. i. 09. Fragment of resist-dyed silk with trellis of white spots with spot rosettes in openings, on blue ground; *cf.* Ast. vi. 3. 07.

L. M. I. i. 011. Silk waste.

L. M. I. i. 014. Bundle of woollen canvas rags.

L. M. I. i. 015. Fragment of woollen canvas; fine.

Leather.

L. M. I. i. 02. Fragment; soft.

L. M. I. i. 05. Triangular bag; roughly made.

L. M. I. i. 013. Band of two pieces sewn together.

L. M. I. i. 016. Strap; two thicknesses sewn at edges; pyramidal bronze studs riveted on; part of bridle (?)

Fibre and Grass.

L. M. I. i. 04, 012. Fragments of two-ply rope.

OBJECTS FROM ROOM ii. OF L. M. I. (L. M.)

Metal.

L. M. I. 028. Fragment of iron object; unidentified.

L. M. I. 029. Fragment of bronze plate with central rib and raised edges.

L. M. I. ii. 07. Bronze boss; domed; filled with hard paste (lac?); from casket L. M. I. 01.

Wood.

L. M. I. 01-04. Casket fragments; ends missing; oblong; smaller at bottom than at top; lacquered over strong canvas, red inside black outside; marks of metal fittings;

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decorated with linear scroll borders and within, grotesque clouds and beasts very freely drawn in red; badly perished.

L. M. I. 05. Bowl, elliptical; with projecting lugs at sides, cut from the solid.

L. M. I. 07. Arrow shaft, point lost.

L. M. I. 08, 09. Fragments of carved architrave.

L. M. I. 012. Oblong die, marked on three sides with crosses and squares.

L. M. I. 013. Lid; lathe-turned; with knob.

L. M. I. 030. Comb; coarse teeth.

L. M. I. 031. Flat slab drilled with twelve holes.

L. M. I. 032. Block; drilled.

L. M. I. 033. Stick, L-shaped.

L. M. I. 035. Beaker, lathe-turned.

L. M. I. ii. 01. Spindle, finely made; with threads tied to it.

Textiles.

L. M. I. 011. Fragment of linen fabric.

L. M. I. 014-018. Fragments of garment in stripes of red and blue silk on plain white backing.

L. M. I. 020-024, 027. Fragments of woollen canvas.

L. M. I. 026. Strip of figured silk; cloud scroll pattern, indistinct.

L. M. I. ii. 05. Fragments of figured silk; rather stiff cloud scroll and lion, repeating.

L. M. I. ii. 08. Small rag containing some substance, not identified, tied up in it.

Paper.

L. M. I. 019. Fragments screwed up.

Leather.

L. M. I. 010. Fragments of goat and kid skin; cured.

L. M. I. ii. 03. Fragment of band in several thicknesses with bone disc attached by iron rivet through centre; *see* also under Miscellaneous.

L. M. I. ii. 04. Bundle of fragments; thin; well tanned.

Fibre and Grass.

L. M. I. 06. Two fragments of fibre cord.

L. M. I. 034. Fragment of fibre rope.

L. M. I. ii. 06. Coil of fibre string.

Miscellaneous.

L. M. I. 025. Fragment of horn flask (?)

L. M. I. ii. 02. Fragment of horn spoon with long handle.

L. M. I. ii. 03. Bone disc attached to leather band; *see* also under Leather.

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OBJECTS FROM ROOM iii. OF RUIN L. M. I. (L. M.)

Wood.

L. M. I. iii. 01. Double bracket capital suggestive of an Ionic capital, the two volutes being modified into circles and between them a wedge-shaped mass in the lower face of which is the housing for the top of shaft.

OBJECTS FROM RUIN L. M. II. (L. M. II.)

Metal.

L. M. II. ii. 01. Bronze stud (?) cymbal-shaped.

Wood.

L. M. II. ii. 07. Fragment of lacquered wood tray (?); centre inside red; outside and inner border, black; Chinese (?).

L. M. II. ii. 08. Stick with knob and branching limb at top; other end conical, with string wound round it.

L. M. II. ii. 09-011. Three fragments of basket made of wooden hoops bound together with split cane; *cf.* L. M. II. iii. 02.

L. M. II. iii. 01. Key with three pegs; *see* Note on lock, p. 109.

L. M. II. iii. 02. Two fragments of basket like L. M. II. ii. 09-011.

L. M. II. iii. 03. Fragment of weaver's comb.

Textiles.

L. M. II. i. 01. Mass of fabrics; blue silk, buff cotton, canvas and felt.

L. M. II. i. 02. Fragment of silk like L. M. I. i. 08.

L. M. II. ii. 02. Fragment of woollen fabric; stout; red.

L. M. II. ii. 03. Fragment of sieve (?) of coarse, open, hair-canvas.

L. M. II. ii. 04. Flat plaited goat's hair band with loop at end.

L. M. II. ii. 05. Fragment of woollen pile carpet; pattern unintelligible; crimson, brown and buff; woollen warp.

Paper.

L. M. II. iii. 04. Fragment with Kharoṣṭhī characters.

Fibre and Grass.

L. M. II. ii. 06. Bundle of reeds.

OBJECTS FROM RUINS L. M. III-IV.

Glass.

L. M. III. 01. Glass bead; double bulb; gilt.

Metal.

L. M. IV. 01. Fragment of iron plate, drilled with six holes and showing action of fire; part of cooking utensil.

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L. M. IV. 02, 03. Iron strips with rivet holes.
L. M. IV. 04. Fragment of iron sickle, *dātrī*.
L. M. IV. 05. Iron rivet.
L. M. IV. 06. Bronze shield-shaped plate with two pins at back.
L. M. IV. 07. Fragment of bronze ornament; leaf-shaped.

Miscellaneous.

L. M. IV. 08. Flat strip of horn, with three large holes.

OBJECTS FROM CEMETERY L. Q. (L. Q.)

Metal.

L. Q. 01. Bronze bolt; round; with square head; hole at tail end as for linch-pin.
L. Q. 02. Bronze buckle; D-shaped with thick bar.
L. Q. i. 01. Fragment of bronze dagger or spear-head (?); long leaf-shape.
L. Q. i. 02. Bronze disc; two small holes at opposite edges.
L. Q. i. 03. Fragment of miniature bronze quadruped.

Wood.

L. Q. ii. 01. Carved female figure, without limbs; found in grave; very crude; painted red.
L. Q. iii. 04-06. Three pins from shroud, as L. F. ii. 04, etc.; ornamented heads.
L. Q. iii. 07-09. Three pins from shroud; no definite heads, only thicker at one end.

Textiles.

L. Q. iii. 01. Fragment of woollen face-cloth (?); one part tied up and containing *ephedra* stalks; three wooden pins stuck through one corner.
L. Q. iii. 03. Felt head-dress as L. F. 01; bad condition.

OBJECTS FROM L. R. SITE (L. R.)

Glass.

L. R. ii. 02. Glass bead; quadruple globular; gilt.

Metal.

L. R. ii. 01. Bronze clip for strap.
L. R. iii. 02. Bronze strap-end with rivets.
L. R. iii. 03. Bronze buckle; D-shaped; tongue lost.
L. R. iii. 04. Fragment of bronze rod; curved.
L. R. iii. 05. Iron ring.
L. R. iii. 06, 07. Two fragments of iron, joining and forming part of D of buckle.
L. R. iii. 08. Iron arrow-head.

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Stone.

L. R. iii. 01. Steatite spinning-whorl.

OBJECTS FROM GRAVES OF BURIAL GROUND L. S. (L. S.)

Stone.

L. S. 6. 01. Figurine of woman, found near head of female body; no limbs; *cf.* L. Q. ii. 01 and L. T. 01; well carved.

Wood.

L. S. 2. 01. Bundle of twigs, doubled twice and bound round with another twig.
L. S. 2. 02. Ladle; deep, round bowl; straight handle.
L. S. 2. 03. Basket-work strainer; parabolic; cleverly made.
L. S. 2. 04. Bowl; elliptical.

Textiles.

L. S. 1. 01. Fragment of woollen fabric; coarse; terra-cotta colour; and piece of woollen and grass cord.
L. S. 2. 06. Fragment of goat's-hair fabric; coarse; dark brown.
L. S. 3. 01. Fragment of woollen face-cloth; fringe border; well made; one corner tied up containing *ephedra* twigs.
L. S. 3. 06. Fragment of felt cap or hood; one ear-flap preserved with chin string.
L. S. 6. 03. Woollen cloth with *ephedra* twigs tied up in it.

Fibre and Grass.

L. S. 3. 02-04. Two shallow basket trays and fragment of a third; shovel-shaped; under side covered with goat-skin.
L. S. 3. 05. Grass basket: ovoid as L. C. 05, with goat's-hair string handle.
L. S. 6. 02. Fragment of grass and goat's-hair cord.

Miscellaneous.

L. S. 2. 05. Bone pin from shroud; flattened at head.

OBJECTS FROM GRAVES OF BURIAL GROUND L. T. (L. T.)

Wood.

L. T. 01. Female figure without limbs as L. Q. ii. 01; *cf.* L. S. 6. 01; front of head broken away.

Textiles.

L. T. 02. Mass of hair and wool; light brown.

OBJECTS FROM CAMP xciv. NORTH-WEST OF L. A. (C. xciv.)

Metal.

C. xciv. 010. Bronze finger-ring.

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C. xciv. 012. Bronze arrow-head, type (a).

C. xciv. 014. Bronze ring and ferrule cast in one piece; good work.

Stone.

C. xciv. 04. Cornelian bead.

OBJECTS FOUND BY LAL SINGH ON MARCH ALONG KURUK DARYA (Lal S.)

Stone implements.

Lal S. 013, 014. Two blades.

Pottery.

Lal S. 06, 08-012, 016-018, 022-024. Fragments. 06, coarse; pink. 08, coarse; black. 09, fine; grey; ribbed. 010, 011, smooth, red, blackened on surfaces. 012 coarse; black. 016, part of base and wall; grey. 017-024, coarse; grey and reddish-grey.

Lal S. 019-021. Slag.

Glass.

Lal S. 04, 05. Beads; glass; 04, ovoid, dark blue; 05, bugle; opaque, yellow.

Metal.

Lal S. 02. Bronze fragment.

Lal S. 015. Bronze arrow-head, type (b); edges straight; barbs broken; ferrule pierced between blades; finely cast; *cf.* Kum. 01.

Stone.

Lal S. 01. Fragment; pink.

Fibre and Grass.

Lal S. 07. Fragment of rope; fine fibre.

Miscellaneous.

Lal S. 03. Ball, hard and dark; *cf.* L. K. 013, etc.

OBJECTS FROM CAMP xcvi. (C. xcvi.)

Pottery.

C. xcvi. 01. Fragment; with incised lines and punched rings; thick, red-grey body.

C. xcvi. 02. Fragment; rough; red body.

Glass.

C. xcvi. 05, 08, 010. Beads. 05, amalaka-shaped; pale green. 08, tubula, marbled yellow and green; yellow, opaque. 010, tubular; blue.

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Metal.

C. xcvi. 03. Bronze loop; elliptical with stem projecting from side.

C. xcvi. 04, 07. Fragments of bronze plate. 04, with hole at end. 07, with part of pattern in low relief.

C. xcvi. 013, 016. Bronze arrow-heads; three sharp prominent blades about hollow ferrule; remains of tang in ferrule. 013, broken.

C. xcvi. 014. Fragment of bronze arrow-head with three flat sides and rounded point; square hole up middle.

C. xcvi. 015. Iron stud.

C. xcvi. 017. Fragment of bronze wire with square billet at one end.

Stone.

C. xcvi. 011, 012. Two agate beads, spherical; red.

Miscellaneous.

C. xcvi. 09. Shell bead, tubular.

OBJECTS FROM NEAR CAMP ci. (C. ci.)

Glass.

C. ci. 08. Glass bead; billet.

Metal.

C. ci. 01. Iron dagger-blade with tang and cross-piece at outer end of tang.

C. ci. 04. Copper ball, pierced with rectangular hole.

OBJECTS FROM CAMP ciii. (C. ciii.)

Glass.

C. ciii. 05. Glass bead; spherical; white.

OBJECT FROM NEAR CAMP cv. (C. cv.)

Metal.

C. cv. 01. Bronze tag; sheet doubled and riveted.

OBJECTS FROM NEAR CAMP cvii. (C. cvii.)

Pottery.

C. cvii. 02-06. Fragments; coarse; grey.

C. cvii. 08. Fragment; coarse; grey; with band of applied nebuly or modified "dog-tooth" ornament.

C. cvii. 09. Fragment from rim of vessel; coarse; red-grey.

Metal.

C. cvii. 07. Fragments of large iron buckle.

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OBJECTS FROM DESERT BETWEEN CAMPS ccxxxviii. a. AND ccl. a.

Pottery.

C. ccxli. a. 01, 02. Fragments; coarse; grey.

C. ccxlv. a. 01. Fragment; coarse; red-grey.

C. ccxlv. a. 09. Fragment; coarse, gritty; grey; with rows of short gashes, "herring-bone" arrangement; *cf.* C. 122. 001. a.

C. ccxlix. a. 03. Fragment; dark red; "herring-bone" incised ornament.

Glass.

C. ccxlix. a. 01. Fragment of vessel; green.

Metal.

C. ccxxxviii. a. 02-06. Iron fragments.

C. ccxli. a. 03. a, b. Iron fragments.

C. ccxlv. a. 03. Fragment of bronze tube with bulbous swelling.

C. ccxlv. a. 010. Tip of bronze arrow-head; flat; leaf-shaped with midrib.

C. ccxlix. a. 08-011. Bronze fragments.

Stone.

C. ccxli. a. 04-06. Fragments; 04, quartzite.

C. ccxlix. a. 04. Fragment, lamellar; grey.

C. ccxlix. a. 012, 013. Flat ring; white.

OBJECTS FROM CAMPS ccxliii AND ccxliv.

Pottery.

C. ccxliii. 01, 02. Fragments; coarse; red.

C. ccxliv. 01. Fragment; coarse, gritty; red-grey.

Metal.

C. ccxliii. 03. Lump of copper ore (?).

Tun-huang and Su-lo-ho sites.

From Miran the route towards Tun-huang skirts the southern edge of the dried-up Salt Sea, Lop Nor, and runs ENE through KUM-KUDUK, 184 miles from Miran and thence eastward through the valley of Bash-toghrak to the Su-lo-ho Delta where is the western end of the TUN-HUANG LIMES. Continuing eastwards the Tun-huang oasis is reached, 166 miles from Kum-kuduk. NAN-HU is 36 miles SW from Tun-huang. CH'IEN-FO-TUNG (the Caves of the Thousand Buddhas) lies 10 miles SSE of Tun-huang. AN-HSI, on the Su-lo-ho, 68 miles ENE of Tun-huang, is the junction of the Hami and the southern routes. SO-YANG-CH'ENG is about 28 miles SE in a straight line from An-hsi and about 5 miles south of the Ch'iao-tsu oasis. WAN-FO-HSIA (valley of the Myriad Buddhas) lies 32 miles south of An-hsi. CH'IAO-WAN-CHANG is 48 miles east of An-hsi on the Su-lo-ho. KAN-CHOU is about 300 miles SE from An-hsi. At about 30 miles south of Kan-chou is MA-TI-SSŬ. The stucco plaques from this site and those from Wan-fo-hsia are from the walls of cave temples.

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OBJECTS FROM KUM-KUDUK (Kum.)

Pottery.

Kum. 02. Fragment: red-black.

Metal.

Kum. 01. Bronze arrow-head, type (b), as Lal S. 015, but more complete.

Wood.

Kum. 03. Fragment of tamarisk.

OBJECTS FROM RUINS OF THE HAN LIMES (T.)

Pottery.

T. 0016, 0022. Fragments; hand-made; mat-marked; grey.

T. 0024. Fragment from rim of vessel; buff, glazed mottled green and brown.

T. 0025, 0027. Fragments; porcelain; from bowl rim; blue and white, floral (?).

T. 0026. Fragment of slag.

T. 0028. Fragment of stoneware; drab with lustrous brown-black glaze at upper part.

Metal.

T. 004. Fragment of bronze mirror showing central boss and part of phoenix and scroll in modelled relief; hollow, lead-filled and backed with sheet-bronze.

T. 006. Sheet-bronze bent into rough cylinder.

T. 008. Bronze bar.

T. 009. Bronze arrow-head.

T. 0015. Fragment of bronze mirror; simple relief patterns.

T. 0023. Fragment of iron horse-shoe.

T. 02. Iron centre-bit; three points; used for making circle-and-dot ornament.

Wood.

T. 002. Peg, like T. VI. b. i. 001, etc., *q. v.*

T. 0018. Part of game-trap.

T. 03. Fragment of cane basket.

Leather.

T. 0011. Strip, "green", with stick through two holes near end.

Miscellaneous.

T. 0010. Fragments of dried leaf.

OBJECTS FROM NEAR WATCH STATIONS ON SOUTH-WEST FLANK OF LIMES (T. W.)

Pottery.

T. W. 001. Fragment; mat-marked; fine grey.

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Metal.

T. W. 006. Iron rod.

T. W. 007. Iron "skewer"; ring end, flat pin or blade.

Stone.

T. W. 009. Fragment; white.

OBJECTS FROM WATCH TOWER T. II. (T. II.)

Metal.

T. II. 001. a-d. (*a*) Bronze arrow-head; type (a). (*b*) iron arrow-head with tang, all in one piece; type (a). (*c*) thin iron rod. (*d*) two-pronged implement like claw of hammer.

OBJECTS FROM WATCH-TOWER T. III. (T. III.)

Pottery.

T. III. 004. Fragment; mat-marked; grey.

Wood.

T. III 001. Seal-case.

T. III. 01. Writing-slip; blank.

T. III. 06. Fragment from lug of food bowl (?).

T. III. 010. Piece of cane.

Textiles.

T. III. 03. Fragments of silk; plain; crimson, blue, cream and green.

T. III. 05, 07, 08. Fragments of woollen canvas.

Leather.

T. III. 04. Strip, doubled and sewn.

Fibre and Grass.

T. III. 002. Piece of matting; coarse fibre.

T. III. 003, 02. Straw from fascines in *limes* wall.

T. III. 09. Head of feathery grass.

OBJECTS FROM FOOT OF LIMES WALLS, EAST OF T. III. (T. III.)

Metal.

T. III. i. 001. a. Fragment of sickle (*dātrī*).

T. III. i. 002. Iron chisel.

T. III. i. 003, 004. Two fragments of iron rod.

Wood.

T. III. i. 005. Part of bar with oblong hole.

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OBJECTS FROM WATCH-TOWERS T. IV. a, b. (T. IV. a and b).

Pottery.

T. IV. a. 03. Fragment of wide lip of vessel; grey.

T. IV. b. 01, 02. Fragments from lips of vessels; 01, red inside, grey outside; 02, grey.

Metal.

T. IV. a. 001. Bronze button; domed.

T. IV. a. 002. a-c. Iron; fragments of nails.

T. IV. a. 01. Fragments of iron vessel.

Wood.

T. IV. b. i. 001. Seal-case.

Textiles.

T. IV. b. 002. Fragments of fabrics; silk in various colours; hemp (?), buff.

Leather.

T. IV. c. 003. Fragment; tanned.

Fibre and Grass.

T. IV. a. 02. Reeds from wall fascines.

OBJECTS FROM T. IV-VI.

Pottery.

T. IV-VI. 001, 002. Fragments; grey; 001, mat-marked.

Metal.

T. IV-VI. 003. a-c. Iron fragments. (*a*, *b*) rods. (*c*) head of skewer.

T. IV-VI. 004. Fragment of bronze plate; drilled.

OBJECTS FROM T. V.

Wood.

T. V. 003, 004. Two heads of pegs; traces of paint.

Leather.

T. V. 005. Square fragment; black one side.

OBJECTS FROM QUARTERS AND REFUSE HEAPS OF STATION T. VI. b. (T. VI. b.)

Metal.

T. VI. b. 001. Point of iron sword.

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Wood.

T. VI. b. 002. Spatula.

T. VI. b. 004, a, b. Two wooden bars curved at one end; rectangular section groove along part of one face; slight shoulder at curved end; remains of leather in groove.

T. VI. b. i. 001, 003. Two pegs, like tent-pegs, with grotesque bearded face drawn in black lines on one side.

T. VI. b. i. 005. Half of comb.

T. VI. b. i. 006. Seal-case.

T. VI. b. i. 007. Block; rectangular; with holes on one edge and remains of pegs.

T. VI. b. I. 008. Fragment of lacquered tray, black and red.

T. VI. b. i. 0014. Ninety-eight writing-slips; blank.

T. VI. b. iii. 001. Peg; variation of T. V. 003, 004.

T. VI. b. iii. 002. Peg with knob.

T. VI. b. iv. 001, 002. Fragments of boards, with traces of ink marks.

OBJECTS FROM QUARTERS OF STATION T. VI. c. (T. VI. c.)

Wood.

T. VI. c. i. 001. Fragment of lacquered bowl; inside red, outside brown and red; decoration in black, green and yellow, obscure.

T. VI. c. ii. 001. Bar drilled with three holes filled with pegs, one being tenon of a second piece, missing.

T. VI. c. iii. 001. Wedge-shaped block black with patch left for Chinese inscription.

OBJECT FROM NEAR TOWER T. VII.

Metal.

T. VII. 001. Bronze. buckle.

OBJECTS FROM WATCH-TOWER T. VIII. (T. VIII.)

Wood.

T. VIII. 1. Wedge-shaped block; with Chinese characters in red.

T. VIII. 2. a, b. Rectangular board with traces of paint and Chinese characters.

T. VIII. 3, 5. Seal-cases, types (c) and (a).

T. VIII. 003. Cone-shaped cup, cut from solid block.

T. VIII. 005-007, 009. Pegs or brackets; variations of T. V. 003, 004.

T. VIII. 0011-0017. Seal-cases, types (a) and (c).

T. VIII. 0018. Flat oblong piece with tenon at one end, bevelled and drilled at other.

T. VIII. 0019. Block with saw marks.

T. VIII. 0020. Half of comb.

T. VIII. 0021. Block, rectangular; two holes; traces of paint.

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T. VIII. 0022. Corner of board; black one side, red the other; piece of red silk adhering.

T. VIII. 0023. Oblong block stained purple.

T. VIII. 0024. Disc with hole and mark of linch-pin (?).

T. VIII. 0025. Block wrapped in cloth covered with black paint.

T. VIII. 0026. Block of triangular section with holes in one face; traces of black paint.

T. VIII. 0027. Block somewhat like preceding.

T. VIII. 0029. Fragment of board; red one side, black on other.

T. VIII. 0030-0033. Four pegs or brackets of similar type to T. V. 003, 004.

T. VIII. 0034. Fragment of bar; oblong section; pierced through broader sides by tapering peg; tied round with rope.

T. VIII. 0035. Corner of board stained red; black on one side.

T. VIII. 0036. Fragment of vessel lacquered red inside and black outside, perished.

T. VIII. 0037. Strip.

T. VIII. 0038. Spinning-whorl.

Fibre and Grass.

T. VIII. 0040. Rope made of bundle of hemp bound with twine.

T. VIII. 0041. String of fibre.

T. VIII. 0042. Shreds of reed, coloured purple.

T. VIII. 0045. Ring of rope, for carrying loads on head.

Miscellaneous.

T. VIII. 01. Specimens of whitewash from wall of tower.

OBJECTS FROM NEAR WATCH-TOWER T. XI. (T. XI.)

Pottery.

T. XI. 002-004, 009-0012. Fragments of porcelain bowls decorated in blue.

T. XI. 005. Fragment; coarse; hard; buff, glazed brilliant black-brown; Chinese.

T. XI. 02. Fragment of porcelain bowl; blue decoration; *cf.* T. XLIII. 1. 06-09.

Wood.

T. XI. ii. 03. Measure made of cane; graduated.

T. XI. iv. 001. Part of ovoid bowl; trace of lacquer.

T. XI. iv. 002. Fragment of cane, pointed.

OBJECTS FROM WATCH-TOWER T. XII. (T. XII.)

Pottery.

T. XII. 3. Fragment; mat-marked.

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Wood.

T. XII. 13, 002. Seal-cases. 13, and 002, type (c).
T. XII. 001. Piece, with hole.
T. XII. 003, 005, 0025. Pegs; rope on 005; *see* also under Fibre and Grass.
T. XII. 006. Fire-stick, female, with three "hearths".
T. XII. 007, 0012. Pens.
T. XII. 008, 0011. Strips; 008, once lacquered. 0011, pointed.
T. XII. 009. Stick, wedge-shaped one end.
T. XII. 0010. Part of bowl; lacquered, black and red.
T. XII. 0013. Spatula.
T. XII. 0014, 0015. Stopper-like knobs with traces of paint.
T. XII. 0017. Part of needle.
T. XII. 0018. Oblong piece, drilled and string in holes.
T. XII. 0024. Two pieces of plaited cane matting.
T. XII. 0030. Bottom of cane basket.

Textiles.

T. XII. 0021. Fragment of flat plaited rope; goat's hair; *see* also under Fibre and Grass.
T. XII. 0022. Felt inner sole of shoe.
T. XII. 0028. Fragment of silk; buff and blue.

Fibre and Grass.

T. XII. 005. Rope attached to wooden peg; *see* also under Wood.
T. XII. 0021. Three fragments of rope; one hemp, two of coarse fibre; *see* also under Textiles.
T. XII. 0027. Hemp cord; coarse.

OBJECTS FROM WATCH-TOWER T. XII. a. (T. XII. a.)

Wood.

T. XII. a. 002, 003. Three pegs or brackets as T. V. 003, 004.
T. XII. a. 005-007, 0010, 0011. Five seal-cases. 005-007, 0010, type (a); 0011 type (c).
T. XII. a. 0012, 0021. Blocks, perhaps paint-grinders.
T. XII. a. 0013. Flat oblong piece; *cf.* T. VIII. 0018.
T. XII. a. 0014. Round stopper, pierced vertically, with string in hole.
T. XII. a. 0016-0018. Seal-cases; type (c).
T. XII. a. 0019. Miniature bracket (?).
T. XII. a. 0020. Bar, oblong section; two holes at one end, mortice at other with tenon and dowel pin.
T. XII. a. 0022. Stick, with four holes in line.

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T. XII. a. 0023. Pin with loose pear-shaped head.
T. XII. a. 0024. Stick, string attached to both ends; bow of bow-drill (?)
T. XII. a. 0025. Carved finial as miniature stupa with five *chhatrs*, black.
T. XII. a. 0032. Stick, bent into ring; "dead-eye" pulley (?)
T. XII. a. 0040. Fragment of birch-bark; blank.
T. XII. a. i. 001. Peg, like tent-peg as T. VI. b. i. 001., *q. v.*
T. XII. a. i. 002. Pen.
T. XII. a. i. 003. Peg; chisel-pointed one end.
T. XII. a. i. 004. End of writing-slip; blank.

Fibres and Grass.

T. XII. a. 0027-0029. Bundles of reeds.
T. XII. a. 0034. Bundle of dried grass.
T. XII. a. 0037, 0038, 0041. Specimens of calcined reeds from stacks of fascines near tower.

Miscellaneous.

T. XII. a. 0030. Skin and skeleton of snake.

OBJECTS FROM DUSTBIN, T. XII. a. ii. (T. XII. a. ii.)

Wood.

T. XII. a. ii. 004. Flat strip with edge cut in curves.
T. XII. a. ii. 005. Die (?); black.
T. XII. a. ii. 006. Stick passed through a piece of cane; wound round with string.
T. XII. a. ii. 007. Finial as of miniature stupa as T. XII. a. 0025.

Miscellaneous.

T. XII. a. ii. 002. Specimens of refuse.

OBJECTS FROM WATCH-STATION T. XIII. (T. XIII.)

Metal.

T. XIII. 005-007. Bronze arrow-heads; 005, type (b); 006, 007, type (a).
T. XIII. 03. Fragment of blade of iron implement.

Stone.

T. XIII. 008. Bead; lentoid; grey pebble.

Wood.

T. XIII. 001. Peg or bracket; variant of T. V. 003, 004.
T. XIII. 002. Flat block; part thinned, ends notched; thick end drilled.
T. XIII. 01. Two sticks, overlapped at ends and bound together with cane.
T. XIII. i. 002. Seal-case, type (a).

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T. XIII. ii. 001. Peg or bracket; variant of T. V. 003, 004.
T. XIII. ii. 002. Seal-case; type (a).

Textiles.

T. XIII. i. 003. a. Small silk bag; grey; lining cut from Chinese letter written on silk.
T. XIII. i-ii. 001. a. Fragment of silk; hemp and cotton fabrics.

Fibre and Grass.

T. XIII. 002. Fragment of rope and string.

Miscellaneous.

T. XIII. 009. Bone tube; plugged with wood at one end.

OBJECTS FROM REFUSE DEPOSITS T. XIV. (T. XIV.)

Pottery.

T. XIV. iii. 0014. Fragment; grey, black surface; two rivet (?) holes.

Glass.

T. XIV. v. 004. Bead; gilt.

Metal.

T. XIV. v. 005, 006. Two brass hair-pins.

Stone.

T. XIV. v. 007, 008. Two pebbles.

Wood.

T. XIV. 001. Piece of base of lacquered bowl.
T. XIV. 002. Seal-case; type (c).
T. XIV. 006. Eight pointed slips; teeth for trap as T. 0018.
T. XIV. i. 001. Twelve writing slips; blank.
T. XIV. ii. 1. Wedge cover-tablet; empty seal cavity.
T. XIV. ii. 002. Bundle of writing slips and shavings; blank.
T. XIV. ii. 005. Seal-case; type (c).
T. XIV. iii. 58. "Tent"-peg fragment; *cf.* T. VI. b. i. 001, 003.
T. XIV. iii. 001. Handle of small adze (?) with traces of iron blade.
T. XIV. iii. 002. Lug of ovoid lacquered bowl.
T. XIV. iii. 003, 004. Parts of ovoid lacquered bowls.
T. XIV. iii. 005, 009. Parts of spatulas.
T. XIV. iii. 006. "Dead-eye" pulley; *cf.* T. XIV. a. 004.
T. XIV. iii. 007. Comb.
T. XIV. iii. 008. Twelve writing-slips, two bamboo; blank.

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T. XIV. iii. 0010. Three strips of cane with knob of felt.
T. XIV. iii. 0016. Fragment of cane matting.
T. XIV. iii. 0018. Beating-stick; Chinese.
T. XIV. vi. 001. Bowl of spoon.
T. XIV. vii. 001, 002. Two fragments of rim and lug of ovoid lacquered bowls.
T. XIV. vii. 003, 004. Seal-cases, type (c).
T. XIV. vii. 005. Fragment of knife-sheath and fragment of silk inside.
T. XIV. vii. 006. Fragment from furniture (?); straight rail with rounded tenon at each end and mortice in centre; dowel holes through tenons.
T. XIV. viii. 001. Half of seal-case; type (a).

Paper.

T. XIV. i. 003. Five fragments; soft, thick; felt (?).

Fibre and Grass.

T. XIV. i. 006. Matting of grass (found in entrance passage of shrine); formed of small bundles of grass connected by string weft.
T. XIV. iii. 0015. Oval ring of string.

Miscellaneous.

T. XIV. iii. 0020. Piece of ivory with traces of painted foliate scroll.

OBJECTS FROM WATCH-STATION T. XIV. a. (T. XIV. a.)

Metal.

T. XIV. a. 008. Fragment of bronze mirror (?) foliate design on back.

Wood.

T. XIV. a. 003. Oblong block; for die or seal.
T. XIV. a. 004. "Dead-eye" pulley; remains of string.
T. XIV. a. 005. Flat, arched, handle; lacquered black.
T. XIV. a. 006. Part of lacquered bowl.

OBJECTS FROM WATCH-TOWER T. XIV. c. (T. XIV. c.)

Pottery.

T. XIV. c. 03. Fragment from neck and rim of vessel; fine, hard, black.

Stone.

T. XIV. c. 02. White pebble.

Textiles.

T. XIV. c. 01, 05. Fragments of silk; fine; buff.
T. XIV. c. 04. Silk waste.

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OBJECTS FROM DEBRIS AT WATCH-TOWER T. XV. (T. XV.)

Metal.

T. XV. 008. Bronze arrow-head (a) type, but longer and with barbs.

T. XV. 009. Fragment of iron spade or hoe; cast

Wood.

T. XV. 001, 003. Three knobs: square section; black and red.

OBJECTS FROM REFUSE HEAPS OF STATION T. XV. a. (T. XV. a.)

Wood.

T. XV. a. i. 001, 005. Fragments of ovoid lacquered bowls.

T. XV. a. i. 002. Seal-case; type (a).

T. XV. a. i. 003. Stopper for jar (?); mushroom-shaped.

T. XV. a. ii. 002. Seal-case (?); type (a).

T. XV. a. ii. 003, 004. Fragments of lacquered wooden bowls.

T. XV. a. ii. 006. Strip; lacquered red and black.

T. XV. a. ii. 007. Comb.

T. XV. a. iii. 002, 003. Seal-cases; type (c).

T. XV. a. iii. 004. Spoon.

T. XV. a. iii. 005. Six writing slips; blank.

T. XV. a. iii. 006. Pen.

T. XV. a. iii. 009. Lug from lacquered bowl.

T. XV. a. v. 001. Two writing-slips; blank.

T. XV. a. v. 002. Fragment of reed arrow-shaft; half lacquered black.

T. XV. a. v. 004. Part of ovoid lacquered bowl.

T. XV. a. v. 005. Seal-case; type (c).

T. XV. a. v. 006. Flat block; lacquered black on one side and red on the other.

Textiles.

T. XV. a. 002. a. Two pieces of figured silk; blue and yellow; "billet" patterns as L. C. 031. b., L. C. ii. 05. a.

T. XV. a. i. 3. Two strips of silk with impression of Chinese seals.

Miscellaneous.

T. XV. a. i. 008. Oats.

OBJECTS FROM WATCH-TOWER T. XVI. (T. XVI.)

Pottery.

T. XVI. 1. Neck and rim of vessel showing wear-marks of stopper strings; hard; grey.

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OBJECTS FROM WATCH-TOWER T. XVII. (T. XVII.)

Wood.

T. XVII. 002-004. Seal-cases; 002, 003, type (c); 004, type (a).

T. XVII. 007. Fish-hook cut from forked twig, piece of string attached.

Textiles.

T. XVII. 005. Fragment of hemp and grass shoe.

Miscellaneous.

T. XVII. 001. Horn spoon.

OBJECTS FROM OR FROM NEAR RUINED MAGAZINE T. XVIII. (T. XVIII.)

Pottery.

T. XVIII. 003. Two fragments; procelain; white; painted with patterns in blue; Chinese.

Metal.

T. XVIII. ii. 9. b. Iron "skewer" with ring end; *see* also under Wood.

T. XVIII. iii. 004. Bronze arrow-head; type (a).

Wood.

T. XVIII. i. 001. Peg or bracket as T. V. 003, 004.

T. XVIII. i. 002. Writing-slip; blank.

T. XVIII. ii. 9. a, b. (*a*) block; oblong with traces of drawing or writing in Chinese character. (*b*) iron "skewer"; *see* also under Metal.

T. XVIII. ii. 10. Segment of round beam with two Chinese characters reading "Southern Buddha".

Textiles.

T. XVIII. iii. 001. Woven string shoe, woven to shape; arrangement of warp at toe is interesting; edge originally covered with soft kid leather.

OBJECTS FROM RUINED WATCH-TOWER T. XIX. (T. XIX.)

Wood.

T. XIX. 001. Oblong block with crude drawing of face (?) on one side; *cf.* T. VI. b. iv. 001; T. XXVIII. 35.

T. XIX. i. 6. Reed arrow shaft; feathers bound on with thread secured with lacquer.

T. XIX. i. 001. Seal-case; type (c).

T. XIX. i. 002. Trowel; spoon-shaped.

T. XIX. i. 004. Seal-case; type (c).

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Fibre and Grass.

T. XIX. 003. Piece of hemp string coiled in figure of eight and tied round middle.
T. XIX. 004. Chopped straw.

OBJECTS FROM WATCH-TOWER T. XX. (T. XX.)

Metal.

T. XX. 002. Bronze ring.
T. XX. i. 003. Bronze ring with piece of silk attached.

OBJECTS FROM WATCH-TOWERS T. XXII. a-f. (T. XXII. a-f.)

Pottery.

T. XXII. e. 01. Fragment; red-grey.

Metal.

T. XXII. f. 01. Fragment of horse's iron bit (?).
T. XXII. f. 02, 03. Two bronze arrow-heads type (b); *cf.* C. xcvi. 016; Lal S. 015; Kum. 01.
T. XXII. f. 05. Bronze strap-end; D-shaped; pierced for rivets.

Wood.

T. XXII. b. 001. Lug of lacquered bowl.
T. XXII. d. 01. Cane stick, sharpened at one end.
T. XXII. d. 02. Lug of lacquered bowl.
T. XXII. d. 03. Disc.
T. XXII. d. 04. Comb.
T. XXII. d. 05, 06. Spatulas.
T. XXII. d. 025. Writing-slip; blank.
T. XXII. d. 027. Peg, as T. VI. b. i. 001, 003.
T. XXII. d. i. 08. Piece of cane.
T. XXII. e. 02. Comb.
T. XXII. e. 011. Fragment of bow or cross-bow; traces of paint and Chinese inscription.
T. XXII. e. 012. Seal-case; type (a), unfinished.

Textiles.

T. XXII. d. 07. Fragment of plain silk; cream.
T. XXII. d. 08, 09. Two pieces of woollen fabric; buff.
T. XXII. d. 010. Silk (?) waste.
T. XXII. d. i. 01. Fragments of cotton (?) fabric; knotted.
T. XXII. d. i. 03. Fragment of fabric; part of shoe (?)
T. XXII. d. i. 04. Silk waste.

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T. XXII. d. i. 05-07. Fragments of silk; red, buff and blue.
T. XXII. f. 04. Fragment of silk; buff.

Leather.

T. XXII. c. 006. Narrow strap; hole near end.

Fibre and Grass.

T. XXII. a. 001. Reed straw.
T. XXII. c. 001. Ring of string and two pieces.
T. XXII. d. 011, 012. Grains specimens.
T. XXII. d. i. 02. String, various, knotted together.
T. XXII. e. 013. Broom of grass.

OBJECTS FROM WATCH-TOWERS T. XXIII AND T. XXIII. a. (T. XXIII and T. XXIII. a.)

Wood.

T. XXIII. 01. Peg, square at one end.
T. XXIII. a. 001. "Dead-eye" pulley; ends connected by string.
T. XXIII. a. 03. Stopper for jar.
T. XXIII. a. 04. Stick sharpened; chisel-shaped one end.
T. XXIII. a. 07. Spatula, perhaps for cooking.
T. XXIII. a. 08. Flat strip, one edge notched.

Textiles.

T. XXIII. a. 01. String shoe; open-work uppers.
T. XXIII. a. 02. Part of uppers of string shoe, as preceding.
T. XXIII. a. 06. Ball of woollen yarn.

Fibre and Grass.

T. XXIII. a. 09. Large hank of hemp (?) fibre.

OBJECTS FROM WATCH-TOWER T. XXIII. b. (T. XXIII. b.)

Pottery.

T. XXIII. b. 04, 05. Fragments; mat-marked; grey.

Wood.

T. XXIII. b. 02. Small cleat.
T. XXIII. b. 06. Peg or bracket as T. V. 003, 004.
T. XXIII. b. 07, 08. Two sticks; 08, sharpened.

Textiles.

T. XXIII. b. 03. Tapestry fragments; fine; "rainbow" stripes.
T. XXIII. b. 09. Fragment of felt with three layers of silk quilted on.

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Leather.

T. XXIII. b. 01. Rough strip with pieces sewn to it.

OBJECTS FROM WATCH-TOWER T. XXIII. c. (T. XXIII. c.)

Metal.

T. XXIII. c. 04. Fragment of iron hoe (?)-blade.
T. XXIII. c. 07. Bronze arrow-head; type (a).
T. XXIII. c. 014. Fragment of iron implement.

Wood.

T. XXIII. c. 01. Block.
T. XXIII. c. 02. Lug of ovoid lacquered bowl with black scroll on red.
T. XXIII. c. 011. Peg; pyramidal top.
T. XXIII. c. 012, 013. Fragments of pegs like preceding (?)

Textiles.

T. XXIII. c. 010. Fragment of cloth.
T. XXIII. c. 015. Fragment of silk.

Leather.

T. XXIII. c. 08. Fragment.

Fibre and Grass.

T. XXIII. c. 03. Reeds from wall.
T. XXIII. c. 09. Rope.

Miscellaneous.

T. XXIII. c. 05. Flat oblong piece of bone; polished.

OBJECTS FROM WATCH-TOWER T. XXIII. d. (T. XXIII. d.)

Pottery.

T. XXIII. d. 01. Fragment from bottom and side of vessel; red; grey in middle.

T. XXIII. d. 02-05. Fragments; glazed. 02, 03, lustrous green-grey. 04, 05, mottled bronze and green.

T. XXIII. d. 06, 07, 09. Fragments of stoneware: glazed; 06, green-brown; 07, stone-grey; 09, mottled bronze and green resembling "tea-dust" (?) glaze; inside, cream.

T. XXIII. d. 08. Fragment; glazed at upper part.

T. XXIII. d. 010-013. Fragments of porcelain; 011-013, from one vessel; painted in dull blue with floral design; 010, with bird or flower in bright blue.

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OBJECTS FROM WATCH-TOWER T. XXIII. f. (T. XXIII. f.)

Pottery.

T. XXIII. f. 08. Fragment from rim; fine; grey.

T. XXIII. f. 012. Fragment from upper edge of vessel, slightly ribbed horizontally; repaired with string through holes bored in side.

Metal.

T. XXIII. f. 09. Iron hold-fast.

T. XXIII. f. 015. Fragment of iron wedge-shaped shoe; hoe-blade (?).

Wood.

T. XXIII. f. 03. Five sticks, mostly Chinese writing-slips; blank.

T. XXIII. f. 011. Tablet, eight holes at one edge.

T. XXIII. f. 013. Fragment of cross-stay for dasher of churn (?).

T. XXIII. f. 014. Object similar to preceding.

T. XXIII. f. 016. Tally-stick (?) notched at one edge.

Textiles.

T. XXIII. f. 01, 02. String sandals; 02, sole only.

T. XXIII. f. 04. String mat.

T. XXIII. f. 05. Fragment of coarse canvas.

T. XXIII. f. 07, 010. Fragments of silk; green, crimson, blue, brown, yellow and buff.

Fibre and Grass.

T. XXIII. f. 06. Piece of string.

OBJECTS FROM WATCH-STATIONS T. XXIII. g, h. (T. XXIII, g, h.)

Pottery.

T. XXIII. h. 01. Fragment of stoneware; horizontally ribbed; hard, grey; glazed inside, mottled bronze and green; outside, bronze-green and black.

Textiles.

T. XXIII. g. 02. Canvas bag or sheath.

Fibre and Grass.

T. XXIII. g. 01. Fragments of string; part of sandal (?)

OBJECTS FROM WATCH-TOWER T. XXIII. l. (T. XXIII. l.)

Metal.

T. XXIII. l. i. 06. Fragment of iron implement with splinter of wooden handle.

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Wood.

T. XXIII. l. i. 01, 02. Thirteen writing slips; Chinese; blank.
T. XXIII. l. i. 03. Bowl, as T. VI. c. i. 001, roughly made.
T. XXIII. l. i. 04, 05. Fragment of bowls as preceding; inside black.
T. XXIII. l. ii. 01. Eighteen writing slips; Chinese; blank.
T. XXIII. l. ii. 02. a-d. Fragments, roughly cut; (*a*, *b*) irregular sticks. (*c*) spoon shaped. (*d*) flat, notched on one edge and string in notch.
T. XXIII. l. ii. 03. Slip with six notches and faint traces of writing.
T. XXIII. l. ii. 05-08. Writing slips.

Textiles.

T. XXIII. l. 01. String sandal.
T. XXIII. l. ii. 09. Fragment of silk; cream.

OBJECTS FROM WATCH-TOWER T. XXIII. o. (T. XXIII. o.)

Wood.

T. XXIII. o. 01. Fragment of lacquered bowl, elliptical, straight sides turning inwards towards base; red inside; black outside.
T. XXIII. o. 02. Piece of bamboo, cut to chisel-point at one end; fine texture.
T. XXIII. o. 04. Whip-handle (?); with annular grooves for gut bands to secure splice.

Textiles.

T. XXIII. o. 03. String sandal of unusual length; very strongly made.

OBJECTS FROM WATCH-TOWERS T. XXVI AND T. XXVII. (T. XXVI and T. XXVII.)

Pottery.

T. XXVII. 3. Fragment; hard; light grey.
T. XXVII. 0024. Fragment of stoneware bowl; buff; glazed inside pale grey-white; spot of green glaze outside.

Metal.

T. XXVII. 001. Iron bar, broken at ends.

Stone.

T. XXVII. 002. Fragment of steatite.
T. XXVII. 004. Fragments; soft, white.

Wood.

T. XXVI. 001. Knob, conical; black.
T. XXVI-XXVIII. 001. Strip.

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T. XXVII. 003, 005, 006. Ink-seals or dice; oblong; ink lines painted on sides; *cf.* T. XII. a. ii. 005.

T. XXVIII. 007, 008. Two dice or counters; oblong; remains of black.

T. XXVII. 0012. Comb; coarse.

T. XXVII. 0013. Knob; traces of black.

T. XXVII. 0014. Sixteen writing-slips; blank.

T. XXVII. 0015. Spoon.

T. XXVII. 0016. Rod.

T. XXVII. 0017. Spatula.

T. XXVII. 0018, 0019. Pens.

T. XXVII. 0020. Rod with knob.

Textiles.

T. XXVII. 003. String matting.

Fibre and Grass.

T. XXVII. 0021. Fragment of reed broom.

T. XXVII. 0022. Rope.

OBJECTS FROM WATCH-TOWER T. XXVIII. (T. XXVIII.)

Pottery.

T. XXVIII. 1. Fragment of side and rim of vessel; red; grey surface.

T. XXVIII. 3. Fragment of rim and shoulder of vessel; incised line round shoulder.

Metal.

T. XXVIII. 009-0011. Bronze arrow-heads; type (a).

T. XXVIII. 0013. Chip off bronze arrow-head (?)

T. XXVIII. 0014. Flat bronze strip.

T. XXVIII. 0015. Hexagonal fragment of bronze arrow-head (?)

T. XXVIII. 0018. Fragment of cast-iron hoe-blade.

Wood.

T. XXVIII. a, b. Seal-cases; (*a*) type (b); (*b*) type (a).

T. XXVIII. e-g, l-n. Blocks for dice or seals.

T. XXVIII. h. Stick, seven-sided, one end cut off square; the other cut into slender rod projecting from rosette.

T. XXVIII. p. Part of comb.

T. XXVIII. r. Fragment of spoon.

T. XXVIII. s. Stick, pointed; string loop attached.

T. XXVIII. 35. Fragment; rectangular, with crude drawing of face, in ink; *cf.* T. VI. b. iv. 001, T. XIX. 001.

T. XXVIII. 63. Stick with face drawn in red and black.

T. XXVIII. 001. Spoon-bowl.

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T. XXVIII. 002. Part of comb.
T. XXVIII. 004. Stick, pointed at both ends; cross-grooves cut.
T. XXVIII. 005. Strip.
T. XXVIII. 006. Twelve writing-slips; blank.
T. XXVIII. 007. Stick.
T. XXVIII. 008. Piece of board.

OBJECTS FROM WATCH-TOWER T. XXIX. (T. XXIX.)

Pottery.

T. XXIX. c, e-h. Fragments of stoneware. (*c*) thin creamy glaze. (*e*) glaze outside, mottled olive-green over black. (*f*) brown and black glaze; T'ang (?). (*g*) brilliant black glaze outside; T'ang (?). (*h*) glazed both sides green-brown.

T. XXIX. k, l. Fragments of porcellaneous ware. (*k*) glazed white and crackled. (*l*) glazed pale celedon green; Sung dynasty.

T. XXIX. 1, 5, 7, 8. Fragments of stoneware vessels; buff body. 1, glazed green-brown. 3, glazed black; crackled. 5, glazed mottled dark brown. 7, glazed tea-green over black outside. 8, from same vessel as 10, *q. v.*

T. XXIX. 9. Fragment of vessel; badly made; with two bands of comb-drawn wave.

T. XXIX. 10. Fragment of wall and rim, drab body; badly made.

T. XXIX. 11. Fragment; light drab glazed dark brown on both sides.

Metal.

T. XXIX. n. Bronze ring.

Stucco.

T. XXIX. 003, 004. Pair of hands; life-size; parts missing; remains of iron rod as core; black.

T. XXIX. 005-007. Two fingers and thumb, probably belonging to preceding; black soft clay with hair.

T. XXIX. 008, 0010. Fragments of drapery; dark paint; soft clay, with hair.

T. XXIX. 0011. Ornamental band with floral scroll between pearl borders; black.

T. XXIX. 0012. a, b. Fragments. (*a*) upper arm with armlet. (*b*) fore-arm from same figure; fingers missing; each has wooden core and they are jointed at elbow with a "halved" joint and dowel-pin and bound with string; soft clay with fibre.

OBJECTS FROM WATCH-TOWERS T. XXXI, XXXII, and XXXIV (T. XXXI, T. XXXII, T. XXXIV.)

Metal.

T. XXXI. 001. Bronze arrow-head; triangular blade; hexagonal shank formed by shaving off lower corners; traces of iron tang.

T. XXXII. 009. Bronze arrow-head, as T. XV. 008 but smaller.

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Stone.

T. XXXII. 004. Jade cone, truncated; green; pierced lengthways.

Wood.

T. XXXII. 001. Rough block.
T. XXXII. 002. Pen.
T. XXXII. 003. Forked twig.
T. XXXII. 0010. Peg or bracket as T. V. 003, 004; curled end only.
T. XXXIV. 001. Fire-stick; female; of exceptional size; seven "hearths".
T. XXXIV. 002. Block; flat; tenon at middle of each side.
T. XXXIV. 003. Block; oblong; small tenon at each end; black.

Fibre and Grass.

T. XXXII. 005-007. Reed stems.
T. XXXII. 008. Hemp string; knotted.
T. XXXIV. 006. Specimen of material from Han *limes* wall consisting of reeds, leaves, twigs, pebbles, etc.

OBJECTS FROM WATCH-STATIONS T. XXXVII. a, c, d, f. (T. XXXVII. a, c, d, f.)

Pottery.

T. XXXVII. c. 01, 02. Fragments; mat-marked; 01, black-grey; 02, pink-drab.
T. XXXVII. d. 01, 02. Fragments from bottom of vessels. 01, drab; pierced with holes for repairs. 02, black-grey.
T. XXXVII. d. 03. Fragment from rim; slightly ribbed horizontally, red.
T. XXXVII. d. 04. Fragment from rim and side; straight-sided vessel, slightly ribbed horizontally; black-grey; hole near edge.

Wood.

T. XXXVII. a. 01. Stick.

Fibre and Grass.

T. XXXVII. f. 01. Reeds and brushwood from *limes agger*.

OBJECTS FROM WATCH-TOWER T. XL. c. (T. XL. c.)

Wood.

T. XL. c. 01, 03. Flakes.
T. XL. c. 02. Peg.
T. XL. c. 07. Wood-wool such as is used for modern packing.

Leather.

T. XL. c. 04-06. Fragments; white kid, with stitching-holes.

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OBJECTS FROM WATCH-TOWERS T. XLI. a, b, c. (T. XLI. a, b. c.)

Pottery.

T. XLI. a. 03, 04. Fragments; dark grey. 03, from rim. 04, mat-marked.

T. XLI. b. 08. Fragment of bowl; grey; hard; glazed black.

T. XLI. b. 09, 011, 012. Fragments; grey; mat-marked.

T. XLI. b. 010. Fragment from rim, similar to T. XLI. c. 03; "rivet"-hole near one end.

T. XLI. b. 013. Fragment; similar to T. XLI. c. 03.

T. XLI. b. 014-017. Fragments; porcellaneous frit; grey, glazed mottled grey-brown.

T. XLI. c. 01, 03. Fragments; fine grey body; sides cut into flat facets.

T. XLI. c. 02. Fragment of rim; red.

T. XLI. c. 04. Fragment; dark grey; flat base; large hole through base; rivet-hole near broken edge.

Wood.

T. XLI. a. 01. Stick.

T. XLI. b. 02. Spoon.

T. XLI. b. 04, 05. Chips.

T. XLI. e. 02. Spindle, cylindrical, one part thinner than other.

Textiles.

T. XLI. b. 018. Woollen twill, loosely woven; brown.

Leather.

T. XLI. b. 06, 07. Fragments; thin; stitching-marks.

Fibre and Grass.

T. XLI. a. 06. Rope; straw.

T. XLI. e. 01. Rope; hemp.

Miscellaneous.

T. XLI. b. 01. Small yellow rods (drug ?) wrapped in poplar-leaf.

OBJECTS FROM WATCH-TOWER T. XLI. f. (T. XLI. f.)

Pottery.

T. XLI. f. 020, 021. Fragments; 020, fine; red; partially glazed. 021, coarser; red, grey inside.

Glass.

T. XLI. f. 026. Fragments of glass beads; green.

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Metal.

T. XLI. f. 022-024. Fragments of iron; 023, nail with head.
T. XLI. f. 025. Bronze ball.
T. XLI. f. 027. Bronze wire ring; split.

Textiles.

T. XLI. f. 014, 018. Fragments of cotton cloth.
T. XLI. f. 015. Fragment of silk.
T. XLI. f. 017. Fragment of woollen string.
T. XLI. f. 019. Silk waste.

Wood.

T. XLI. f. 01. Fragment of tablet; hole near one end.
T. XLI. f. 02, 04-011, 013, 023, 024. Slips, blank.
T. XLI. f. 03. Fragment; close-grained like wood for comb; sandal-wood (?).

Fibre and Grass.

T. XLI. f. 012. Cord, tied into knots.
T. XLI. f. 016. Cord.

OBJECTS FROM RUINED STRUCTURES T. XLI. g. (T. XLI. g.)

Pottery.

T. XLI. g. 01-021. Fragments of porcelain bowls. 01, with ring-base; fine, grey; glazed; blue annular lines on bottom. 02-04, ring-base; hard; grey; glazed grey-green; traces of blue decoration as T. XLIII. l. 09., *q.v.* 07-021, hard; white; glazed blue-white; floral decoration in blue; 020, shows claw of bird or dragon; *cf.* T. XLIII. l. 010.

T. XLI. g. 022, 023. Fragments; grey; mat-marked.

T. XLI. g. 024, 025. Fragments; hard; coarse; grey; glazed spongy brown-black.

T. XLI. g. 026. Fragment; grey; eroded.

T. XLI. g. 027. Fragment of base of stoneware vessel; ring-foot; hard; buff.

T. XLI. g. 028, 030, 031. Fragments of jar with handle; buff; glazed brown and black, streaky: handle, reeded; *cf.* T. XLIII. l. 015.

Metal.

T. XLI. g. 032. Bronze ring.
T. XLI. g. 033. Part of iron hook.

OBJECTS FROM WATCH-POST T. XLI. i. (T. XLI. i.)

Pottery.

T. XLI. i. 01, 02. Fragments of porcelain; lower parts of bowls; 01, thin; white; ring-foot; on bottom, outside, within double circle, Chinese characters in square; inside, pattern in fine, dark blue lines, with bold washes of colour over.

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Wood.

T. XLI. i. 03. Stick: drum-stick (?).
T. XLI. i. 04. Spatula.
T. XLI. i. 05. Slip.
T. XLI. i. 06. Part of game-trap.
T. XLI. i. 08. Part of mat or "chik" with string warp; *see* also under Textiles.

Textiles.

T. XLI. i. 08. Woven mat or "chik" with wooden "weft" and string warp; *see* also under Wood.
T. XLI. i. 09. Piece of strong canvas.

OBJECTS FROM WATCH-STATIONS T. XLI. jj, k, l, n. (T. XLI. jj, k, l, n.)

Pottery.

T. XLI. jj. 01. Fragment; ribbed horizontally; red.
T. XLI. k. 01. Fragment of rim; dark grey.

Metal.

T. XLI. l. 01. Bronze stud with two pins at back; design: palmette.
T. XLI. l. 02. Iron rod.
T. XLI. n. 01. Iron arrow-head; hollow-sided; three blades.
T. XLI. n. 02. Bronze disc with raised rib.
T. XLI. n. 03. Lead wire.
T. XLI. n. 04. Bronze nozzle, like mouth-piece of blow-pipe.

OBJECTS FROM WATCH-STATIONS T. XLI. o, r. (T. XLI. o, r.)

Pottery.

T. XLI. o. 01-04. Fragments of bottom of porcelain bowls; same as T. XLIII. l. 09. *q. v.*; ring-foot. 01, on bottom, Chinese character within ring. 02, similar but another character; floral ornament; three rivet-holes partly drilled. 03, ornamented as T. XLIII. l. 09; probably belongs to T. XLI. o. 05, 06. 04, Chinese character on bottom; floral ornament inside; five rivet-holes partly drilled.

T. XLI. o. 05, 06. Fragment of porcelain with decoration in blue; probably part of T. XLI. o. 03.

T. XLI. o. 07. Fragment of porcelain similar to preceding.

T. XLI. o. 08. Fragment of porcelain; fine texture; pure white; glaze, starch-blue; arabesque scrolls in fine blue lines outside.

T. XLI. o. 010. Fragment of stoneware; buff; with five spots of brown glaze on one side.

Metal.

T. XLI. r. 02. Fragment of bronze plate.

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OBJECT FROM WATCH-TOWER T. XLII. e. (T. XLII. e.)

Textiles.

T. XLII. e. 02. Shoe; string sole; uppers of layers of canvas covered with fine blue fabric; scroll brading on top of turned-up toe.

OBJECTS FROM WATCH-STATIONS, LIMES SECTION T. XLIII. (T. XLIII.)

Pottery.

T. XLIII. 02. Fragment of porcellaneous bowl; grey; glazed deep, rich brown.

Wood.

T. XLIII. 01. Arrow shaft; deep notch; remains of feather and black lacquer of binding.

OBJECTS FROM WATCH-TOWERS T. XLIII. a-c, T. XLIII. e. (T. XLIII. a-c, T. XLIII. e.)

Pottery.

T. XLIII. a. i. 01, 02. Joined; fragment from rim and side of large vessel; grey.

T. XLIII. b. 01-07. Fragments from bowls; fine porcellaneous frit; glazed both sides.

T. XLIII. c. 01. Fragment from bottom of vessel; glazed dark green, brown inside.

T. XLIII. e. 01. Fragment of hollow bar; square section; upper angles chamfered; dark grey.

Wood.

T. XLIII. a. 01-04. Fragments of slips; blank.
T. XLIII. a. 05. Stylus; double ended.
T. XLIII. a. 08. Dowel pin.
T. XLIII. a. 010. Seal-case.
T. XLIII. b. 08. Square prism, one end pyramidal; black.

Textiles.

T. XLIII. a. 06. Fragment of woollen rug; green.
T. XLIII. a. 09. Fragment of felt.

OBJECTS FROM WATCH-TOWER T. XLIII. g. (T. XLIII. g.).

Pottery.

T. XLIII. g. 01. Fragment of rim of vessel; dark red; surface black.

Metal.

T. XLIII. g. 04. Fragment of bronze mirror; cable border.
T. XLIII. g. 05-013. Bronze fragments.
T. XLIII. g. 015. Bronze arrow-head; type (a).

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Wood.

T. XLIII. g. 022-024. Fragments of writing-slips; blank.
T. XLIII. g. 0030. Writing-slip; blank.

Fibre and Grass.

T. XLIII. g. 021. Head of grass; broom (?).

OBJECTS FROM WATCH-STATION T. XLIII. h. (T. XLIII. h.)

Metal.

T. XLIII. h. 012. Iron hoe(?)-blade.

Wood.

T. XLIII. h. 02. Fragment; cut into billets on one face.
T. XLIII. h. 03. Handle of awl or drill.
T. XLIII. h. 010. Billet; rectangular; partly chamfered.
T. XLIII. h. 011. Square prism; pyramidal end.
T. XLIII. h. 013. "Tent"-peg with face drawn at one end; *cf.* T. VI. b. i. 001.
T. XLIII. h. 014. Spoon, with hook-ended handle.
T. XLIII. h. 015. Writing-slip; blank.

Textiles.

T. XLIII. h. 04. Woven string shoe; knobbed surface to sole.
T. XLIII. h. 05. Fragment of string fabric; mat for covering loads on pack-animals; "basket" or "wrapped-twined" weave.
T. XLIII. h. 07. Fragment of strong, cotton cloth.
T. XLIII. h. 08. Fragment of loosely woven woollen cloth; buff.
T. XLIII. h. 09. Silk waste.

Paper.

T. XLIII. h. 06. Fragment; tough; plain.

OBJECTS FROM WATCH-TOWER T. XLIII. i. (T. XLIII. i.)

Metal.

T. XLIII. i. 07. Fragment of iron implement; hollow wedge; curved.

Wood.

T. XLIII. i. 01. Spatula.
T. XLIII. i. 02. Fragment of saddle-tree.
T. XLIII. i. 03, 020-022. Writing-slips; charred.
T. XLIII. i. 04. Fragment of cane; traces of lacquer.
T. XLIII. i. 06. Seal-case; type (a).
T. XLIII. i. 019. Needle; unfinished.

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Miscellaneous.

T. XLIII. i. 08. Oats.

OBJECTS FROM WATCH-TOWER T. XLIII. j. (T. XLIII. j.)

Wood.

T. XLIII. j. 01. Peg; spindle with geometrically carved human head wearing head-dress recalling those on Han sculptures of Wou Leang Ts'eu tombs. General resemblance on small scale, to those shown in Chavannes' *Mission archeologique*, Pl. CCCLXXXI No. 815, described as "genie protecteur des routes en Coree". Perhaps the tent-peg-like objects T. VI. b. i. 001 etc., had a similar purpose.

T. XLIII. j. 02. Heel-piece of shoe-last; grooved down back.

T. XLIII. j. 03. Fragment of bowl; ring-foot.

T. XLIII. j. 04. Fragment of basket-work mat as T. XLI. i. 08; *see* also under Textiles.

Textiles.

T. XLIII. j. 04. Woven mat of twigs and string; close texture; *see* also under Wood.

OBJECTS FROM WATCH-TOWER T. XLIII. k. (T. XLIII. k.)

Wood.

T. XLIII. k. 01. Block, oblong; notched like modern key-wards.

T. XLIII. k. 02. Slip; traces of ink marks.

T. XLIII. k. 03. Comb.

T. XLIII. k. 04-07. Fragments of ovoid lacquered bowls; red inside black outside. 06, lug and part of side. 07, with lugs.

T. XLIII. k. 08. Fragment of disc; remains of black lacquer.

T. XLIII. k. 010-012, 014. Spatulas.

T. XLIII. k. 013. Stylus or brush-handle.

T. XLIII. k. 015-018, 020-022, 024. Writing-slips; 018, with traces of Chinese characters.

T. XLIII. k. 019. Fragment; prismatic section.

T. XLIII. k. 025. Peg, as T. VI. b. i. 001.

OBJECTS FROM WATCH-STATION T. XLIII. l. (T. XLIII. l.)

Pottery.

T. XLIII. l. 01. Fragment from rim of vessel; fine, buff; glazed light brown.

T. XLIII. l. 02, 03. Fragments from bowls; porcellaneous buff body; glazed brown inside and out in broad band.

T. XLIII. l. 05. Fragment of bowl, fine hard red-grey body; glazed dark green-brown.

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T. XLIII. l. 06-09. Four fragments of porcelain bowl with ring-foot; hard, grey body covered with bluish-white glaze. 09, shows pattern on bottom, inside, a flower of thin lines radiating from centre, each ending in a long drop-shaped blob, surrounded by scrolls: Similar radiating flowers on outside. *Cf.* T. XLI. g. 05-06; i. 02; o. 03, 05-07.

T. XLIII. l. 010. Fragment of porcelain rim of bowl; thin white body; glazed bluish-white; foliate decoration in blue; similar to T. XLI. g. 011, 020; T. XLI. i. 01.

T. XLIII. l. 015. Fragment of jar in two pieces with loop handle, reeded; buff; glazed brown-black; for fragment of similar jar, *cf.* T. XLI. g. 028-031.

Wood.

T. XLIII. l. 011. Spatula.

Textiles.

T. XLIII. l. 012. Fragment of woollen braid; buff.

T. XLIII. l. 013, 014. Two fragments of fine woollen fabric; green-blue and indigo.

OBJECTS FROM WATCH-TOWER T. XLIV. a. (T. XLIV. a.)

Pottery.

T. XLIV. a. 013. Fragment from bottom of vessel; sides, facetted as in T. XLI. c. 03; inside moulded in regular spiral.

Metal.

T. XLIV. a. 015. Bronze arrow-head; type (a).

Wood.

T. XLIV. a. 03. Stick with four Chinese characters written in ink.

T. XLIV. a. 04. Spatula.

T. XLIV. a. 05. Hammer-head-shaped block.

T. XLIV. a. 07. Wedge-shaped object.

T. XLIV. a. 08. Peg; tapering; string attached.

Textiles.

T. XLIV. a. 01. Fragment of woven grass mat; *see* also under Fibre and Grass.

T. XLIV. a. 09. Bag or strainer (?) of plaited horse-hair.

T. XLIV. a. 010, 011. Fragments of canvas; coarse and strong.

Leather.

T. XLIV. a. 012. Fragment of shoe-sole.

Fibre and Grass.

T. XLIV. a. 01. Fragment of grass mat; roughly woven; *see* also under Textiles.

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OBJECTS FROM WATCH-TOWER T. XLIV. b. (T. XLIV. b.)

Pottery.

T. XLIV. b. 015. Jar; flat-bottomed, upper part faintly ribbed horizontally; cord round neck; part missing.

Wood.

T. XLIV. b. 01, 05. Square prisms; larger surfaces with two diagonals and a dot in each triangle, drawn in ink; end of one, blackened.

T. XLIV. b. 02. Spatula.

T. XLIV. b. 03. Fragment of slip with traces of Chinese characters.

T. XLIV. b. 04, 06. Square prisms pyramidal at one end; "chess-men" (?).

T. XLIV. b. 07-09. 07, 09, sticks; 08, stopper-like object.

T. XLIV. b. 010. Stylus.

T. XLIV. b. 011, 035, 036. Spatulas.

T. XLIV. b. 012. Cover for mouth of jar, notched for cords.

T. XLIV. b. 013. Cleat.

T. XLIV. b. 014. Wedge.

T. XLIV. b. 034. Writing-tablet, unfinished; raised end for seal-cavity.

T. XLIV. b. 037. Counter (?) for game; boat-shaped block; marked with groove and cross-cuts.

T. XLIV. b. 038. Shuttle with groove and spindle hole.

OBJECTS FROM WATCH-STATION T. XLIV. c. (T. XLIV. c.)

Metal.

T. XLIV. c. 04, 07. Fragments of bronze sheet.

T. XLIV. c. 05. Bronze arrow-head; type (a).

Wood.

T. XLIV. c. 01. Fire-stick; female; seven "hearths".

OBJECTS FROM WATCH-TOWER T. XLIV. d. (T. XLIV. d.)

Metal.

T. XLIV. d. 016. Iron gouge, one end looped, the other chisel-pointed.

Textiles.

T. XLIV. d. 01. Three fragments of silk; grey.

OBJECTS FROM HERDSMEN'S STATION T. XLIV. e. (T. XLIV. e.)

Pottery.

T. XLIV. e. 01-04. Fragments of bowls; 01, from rim and wall of vessel; buff 02, from wall of vessel; buff; part glazed buff. 03, from wall of vessel; buff; glazed dark brown. 04, from rim and wall of vessel; buff; glazed dark green-brown.

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OBJECTS FROM WATCH-TOWERS T. XLVI. b, c. (T. XLVI. b. c.)

Pottery.

T. XLVI. c. 02. Fragment; buff; glazed buff.

Metal.

T. XLVI. c. 05. Bronze arrow-head; type (a).

Stone.

T. XLVI. c. 01. Disc, with central hole.

Wood.

T. XLVI. b. 01, 02. Sticks; 01, pointed.

OBJECTS FROM WATCH-TOWER T. XLVI. h. (T. XLVI. h.)

Metal.

T. XLVI. h. 04. Iron knife, slightly curved; oblique point; short tang; edge on concave curve.

Wood.

T. XLVI. h. 01. Comb.

T. XLVI. h. 06. Disc, plano-convex, hole through centre; lacquered red-brown.

T. XLVI. h. 07. Peg, round with raised annular rib near centre; drilled lengthwise.

T. XLVI. h. 08. Bar of L-section with fine ridge at edges of one side; lacquered black.

T. XLVI. h. 09. Block; rectangular.

T. XLVI. h. 010. Block; oblong; hole at one end; piece of woollen yarn with object; *see* also under Textiles.

Textiles.

T. XLVI. h. 02. Canvas closely twisted in form of rope; burnt at one end; torch (?).

T. XLVI. h. 03. Matting of grass, made like "*chik.*"

T. XLVI. h. 010. Piece of woollen yarn; with wooden block; *see* also under Wood.

Leather.

T. XLVI. h. 05. Washer; with large hole.

OBJECTS FROM WATCH-TOWERS T. XLVI. i. j. (T. XLVI. i. j.)

Pottery.

T. XLVI. i. 01. Fragment; yellow-buff; glazed buff.

Metal.

T. XLVI. j. 01. Bronze arrow-head; type (a).

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OBJECTS FROM RUINED TOWN SITE T. XLVII NEAR SHUANG-CH'ENG-TZŬ. (T. XLVII and Sh.)

Pottery.

T. XLVII. 01, 02, 06. Fragments; mat-marked; 01, 02, light grey; 06, brown-grey.

T. XLVII. 03-05. Fragments with annular scorings and comb-drawn festoons; grey.

T. XLVII. 07. Fragment; wheel-marks; rivet-holes; red.

T. XLVII. 09. Fragment from rim and wall of vessel; buff; part glazed grey-white.

Sh. 01-06. Fragments; 01, with annular incised lines and comb-drawn festoons; dark red, black on both faces. 02, annular bands; blackish-grey. 03, as 01. 04, ornament as 01; light grey. 05, ornament as 01; grey-black. 06, mat-marked; grey-black.

Wood.

T. XLVII. 011. Disc, plano-convex; cover for jar (?)

OBJECTS FROM NAN-HU TOWN. (Nan. Ft.)

Pottery.

Nan. Ft. 001. Fragment; mat-marked; rivet hole; red, smoked to grey.

Nan. Ft. 002-004. Fragments; 002, with rivet-hole; grey. 003, buff. 004, moulding round outside; grey.

Nan. Ft. 005. Fragment of porcelain bowl; painted with blue design; Chinese.

Nan. Ft. 006. Fragment of stoneware; glazed cream; Chinese, T'ang type.

Nan. Ft. 007. Piece of brick; grey.

OBJECTS FROM "TATI" NEAR NAN-HU TOWN (Nan. T.)

Pottery.

Nan. T. 001. Fragment from rim; grey.

Nan. T. 002. Fragment; mat-marked; grey.

Nan. T. 003. Fragment; almost black.

Nan. T. 004, 005. Fragments; incised ornament; red-grey.

Nan. T. 006. Fragment; mat-marked; grey.

Nan. T. 007. Fragment of stoneware; buff; glazed partly brown.

Nan. T. 008. Fragment; incised ornament; grey-blue.

Nan. T. 009. Fragment from rim; dark grey.

Nan. T. 0010. Fragment; grey-black.

Nan. T. 0011-0016. Spinning-whorls.

Metal.

Nan. T. 0023. Bronze fragments.

Nan. T. 0025. Bronze arrow-head.

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Nan. T. 0026. Iron wedge (?).
Nan. T. 0027. Bronze arrow-head.
Nan. T. 0028. Bronze disc; pierced.
Nan. T. 0029. Bronze boss from mirror (?).
Nan. T. 0030. Bowl of miniature bronze spoon.
Nan. T. 0031. Bronze ring with three pins projecting.
Nan. T. 0032. Bronze bar bent into ring with knob at end.
Nan. T. 0033. Bronze rod, tapering and bent into ring.
Nan. T. 0034. Bronze open-work plate, with rivet at back.
Nan. T. 0035. Bronze open-work ornament; floral.
Nan. T. 0036. Bronze plate; square; broken.

Stone.

Nan. T. 0017-0022. Discs ; grey and white.

Miscellaneous.

Nan. T. 0037. Horse's tooth.

OBJECTS FROM KU-TUNG-T'AN TATI, NAN-HU (Nan. K. T.)

Pottery.

Nan. K. T. 001. Fragment from rim; buff, glazed partially black; Sung or T'ang dynasty.
Nan. K. T. 006. Fragment; pink, glazed mottled green.

Glass.

Nan. K. T. 002. Bead; glass; ring; brown.
Nan. K. T. 005. Fragment of disc; glass; turquoise blue.
Nan. K. T. 0010, 0011, 0013. Beads. 0010, glass; bugle; green. 0011, glass; banded black and white; pierced at end. 0013, glass, green.

Metal.

Nan. K. T. 0023. Fragment of bronze buckle.

Stone.

Nan. K. T. 003, 004. Steatite discs.
Nan. K. T. 007, 009. Chips; green (*sang-i-sabz*). 007, pierced at end.
Nan. K. T. 008. Chip of turquoise.

Miscellaneous.

Nan. K. T. 0012. Bead; ivory.

OBJECTS FROM SITE OF KUAN-SU, NORTH OF NAN-HU. (Nan. K.)

Stone implement.

Nan. K. 006. Flint flake.

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Pottery.

Nan. K. 001-004. Fragments from porcelain cups or bowls; painted blue, under-glaze.

Glass.

Nan. K. 005. Part of glass ring; pale green; imitation jade.

Metal.

Nan. K. 007. Piece of bronze tube made from rolled sheet, soldered.

Nan. K. 008. Piece of tube; cast bronze.

Nan. K. 009. Bronze "grelot" bell; cast; two Chinese characters and some ornament.

OBJECTS FROM CH'IEN-FO-TUNG, OR CAVE TEMPLES OF THE THOUSAND BUDDHAS (Ch.)

Pottery.

Ch. lvi. 012. Terra-cotta rectangular plaque of seated Buddha in European pose, on throne with feet on lotus footstool; remains of paint.

Wood.

Ch. 005. Fragment of statuette; left hand and forearm; bracelet on wrist.

Ch. 006. Statuette of child (?), right arm upraised, left missing; heels together; knees out.

Ch. 007. Statuette, half-round relief; floating Gandharvi, nude to below breasts; drapery in heavy folds over legs from hips.

Ch. 0070. a-m, o-q. Sixteen weighting-pieces from narrow banners, one retaining silk streamers; many painted with rosettes and foliage; each board is a batten-like strip, cut sloping at ends and grooved on upper side to take bamboo slip to which lower end of banner is glued.

Ch. xxii. 001. a. Fragment of panel; painted; subject: seated Buddha; Chinese inscription, illegible.

Ch. xxvi. a. 0011. Fragment of painted panel, back covered with canvas and lacquered black; painting defaced showing traces of small scenes down side in Chinese style.

Stucco.

Ch. 01, 025, 032, 033. Plaques in relief; seated Buddha-like figures, eyes closed, hands in lap covered by robe; feet covered; *āsana*, draped and variously coloured; figure seated in niche with trefoil arch, perhaps derived from combination of nimbus and vesica; gilded borders to some of the robes; grey clay.

Ch. 02, 03. Votive plaques in relief; pear-shaped; Buddha seated; stupas in background; made in mould; fine modelling; grey clay.

Ch. 04, 06-013. Votive plaques like preceding but circular; grey clay.

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Ch. 014. Votive plaque, small, pear-shaped; seated Buddha in high relief in centre; background, rayed trefoil halo and vesica; two small stupas at each side.

Ch. 016, 017. Plaques in relief; seated Buddha with large lotus-petal-shaped nimbus; vesica; coloured red, blue, green and traces of gold; cast in mould from roughly modelled original.

Ch. 018, 019, 021, 029, 030. Plaques in relief; seated Buddha against large vesica and nimbus; head in high relief; roughly painted; poor work.

Ch. 020, 022, 027. Plaques in relief, similar to Ch. 01, etc., but figure is corpulent and has front of body exposed to stomach; left leg crossed, right knee raised and foot planted on *āsana*; left hand on left knee; coloured red, green, purple, white and blue.

Ch. 023, 024, 026, 028. Plaques in relief; monk seated in niche as Ch. 01 but in European pose, both feet on mat; lips parted showing teeth in painful smile; has open scroll on knees; colouring similar to Ch. 01.

Textiles; figured; polychrome.

Ch. 00100. Fragment of embroidered hanging, several strips joined; diaper of seated Buddhas; to left, larger seated Buddha under fringed canopies; to right, a group showing male figure advancing and two attendants, one with umbrella held over advancing figure; below, a similar group. Colours: purple, carmine, Indian red, blue, cinnamon, white and pale green; chain-stitch.

Ch. 00176. b. Strip; pattern: not sufficient to elucidate; colours: indigo, light blue, pink, green, yellow and white.

Ch. 00278. Temple valance composed of a great number of fragments of plain and figured silk arranged as follows: at top, a flat band to lower edge of which are attached vandyked tabs and streamers at irregular intervals, the tabs generally slightly overlapping at their upper angles. The streamers are sometimes in one piece, often backed with a different colour, or are composed of a series of overlapping triangular ("vandyke") pieces. The most striking pattern is that of the band which shows a large circular medallion in two concentric zones round a central rosette, outer zone made up of two pairs of confronting, galloping, long-antlered, spotted deer, separated by a bold floral bunch at the cardinal points; the inner zone is a wreath of eight flowers alternately different, linked by scrolling stems. The "spandril" spaces between medallions are filled with an arrangement of thick interlacing stems with tassel-like or floral ends. The whole design is finely drawn and while being Sasanian in its "set out" is probably Chinese in drawing and execution. Valances of this general form may be seen represented as a frieze in several of the wall paintings in the Central Asian Antiquities Museum, New Delhi, and in drawings and paintings as altar drapery.

Ch. 00280. Part of valance similar to preceding.

Ch. 00281. Remains of embroidered hanging; dark blue loosely-woven gauze, backed with plain blue silk and embroidered with floral "all-over" design with birds and butterflies; very fragmentary; Chinese.

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Ch. 00512. a-e. Remains of five banners; head-piece and body of each made of figured silk with indigo ground and buff palmettes; border of yellow damask, obscure. Streamers, plain.

Textiles; damask, etc.

Ch. 0072. Upper end of banner; silk, buff. Head-piece of damask; pattern: lozenge. Painted Buddha on triangular part; *see* also under Textiles, painted.

Ch. 0089. Small banner; silk, complete with streamers; body and head-piece plain with outline of *padmāsana*, valance, canopy, etc., drawn for painting (?); border of head-piece blue silk damask of alternate stripes of lattice and rosettes. Streamers with foliate pattern painted on. Weighting-piece, yellow with outlined palmettes.

Ch. 00234. a-d. Five fragments of silk damask; pattern: large lotus and leaves in alternate circular and lozenge spots; colours: buff and yellow.

Ch. 00339. Silk banner, complete; body of one piece; pattern: *cf.* Ch. 00278; colour: old gold. Triangular top; pattern: obscure; colour: brown. Streamers; pattern: repeating spot composed of a pair of birds with leafy spray; colour: dark blue.

The following very brief descriptions are compiled from the lists given in *Serindia*, pp. 937-1088 and those in the *Catalogue of Paintings* by Arthur Waley. For fuller details these two works should be consulted.

Textiles; silk; painted.

Ch. 002. Banner with head-piece, streamers and weighting-piece. Head-piece, lozenge damask, lemon yellow bordered red silk; suspension loop, silk gauze, white. Streamers, dark blue and one green. Weighting-piece with row of palmettes on red ground. Subject: Bodhisattva, standing on red lotus; right hand in *vitarka-mudrā*, left at breast; long robe, pink, bordered with blue; bodice, crimson; mantle, maroon, lining, olive-green; waist-cloth, white. Hair dressed in horn-like top-knot directed backwards; long tresses hang behind shoulders and arms giving emphasis and strength to this part of figure. Elegant jewelled tiara held by white taenia with long streaming ends falling to front. Elaborate jewelled garlands and ear-rings. Halo behind head and canopy above supporting flaming jewels and pendent tassels. Above canopy, a painted valance.

Ch. 003. Banner with head-piece, streamers and weighting-piece similar to preceding except silk of head-piece which is cream colour gauze. Subject: standing Bodhisattva on blue lotus, hands crossed in front of waist.

Ch. 0011. Standing Avalokteśvara holding red lotus in right hand; left at breast, palm out; skirt, short, painted in horizontal bands, orange, crimson and green, with flower pattern in red and black; no stole; green moustache and imperial.

Ch. 0016. Standing Avalokteśvara on blue lotus, with willow spray in right hand, left hand at side; skirt with spot leaf-pattern; no stole.

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Ch. 0019. Fragment showing vision of descent of infant Buddha on white elephant supported on cloud, towards sleeping Queen Māyā; Buddha wears loin-cloth and his hands are in *anjāli-mudrā*. Chinese style.

Ch. 0022. Banner: Virūpāksha standing on blue demon; he is in the elaborate armour of a Chinese warrior and holds a sheathed sword resting its lower end on demon's head. Part of painting lost; accessories preserved.

Ch. 0023. Banner: Mañjuśrī supported by a pink lotus on white lion; part of painting missing and also weighting-piece.

Ch. 0025, 0055, 0081, 0096, 00109, 00112, 00113, 00463, 00464. a, b; i. 002, 007, 0013; iii. 001-003; xxii. 003, 0024; xxiv. 006; xxvi. a. 008; xxx. 001; xxxiv. 003; xlvi. 002, 003, 0012; lv. 0013, 0044, 0045; lviii. 005; lxi. 007. All of the type of Ch. 003 but not all complete. 0025, shows three-quarter back view, very badly drawn but interesting as showing how the long locks of hair divide and form background for shoulders and arms; carries bowl containing scarlet lotus on right hand. Lower streamers painted with floral scrolls in silver (?) now black-grey. 0055, Avalokiteśvara; accessories lost; stands on scarlet lotus and holds long-stemmed purple lotus. 0081, figure stands on two lotuses, brown and red; right hand in *vitarka-mudrā*; left at breast holding blue *pōthī* (?) in right hand; accessories lost. 00109, faces spectator, head turned towards left shoulder; scarlet lotus in right hand; colours nearly all gone; accessories lost. 00112, fragment; forehead to knees; hands in *anjāli* pose. 00113, lower part only; pink *padmāsana* on which rest bare feet below a dull blue skirt; stole, crimson, lined orange. 00463, lower draperies only. 00464. (*a*), shoulders to hips only; right hand holds rosary. 00464. (*b*), feet and end of skirt. i. 002, shows three-quarter back view of walking figure in dignified pose holding coil of stole in left hand and pink lotus at shoulder-level in upraised right hand; a separate lotus under each foot; crimson skirt, large brown-crimson bow at back of neck with long broad end hanging down giving vertical lines in contrast with the hollow line of the back; close-fitting crimson turban with gold ornaments and a large open-work gold ornament projecting from it at back containing the horn-like top-knot (?). Halo represented in perspective as a vertical ellipse in thin outline so as not to interfere with the view of that part of the head included in it. This treatment of the halo at this early period is probably unique. The swinging tassels of the canopy above contribute to the expression of movement so eloquently rendered in the swinging pose of the figure itself. All accessories lost. i. 007, has head-piece and remains of one side and one bottom streamer; on suspension loop is a T'ang coin with *K'ai-yuan Nien-hao*. Head-piece, purple with Dhyāni Buddha painted in yellow outline. Subject of banner: standing Avalokiteśvara holding willow-spray in right hand before breast; the left with flask, swings at side; a lotus under each foot. Flame-bordered nimbus; red skirt, blue stole. i. 0013, complete with all accessories; head-piece cream-coloured silk painted with green lotus and leaves; streamers with floral scroll in silver (?) not blackened. Weighting-piece, covered with buff silk damask in fret pattern and painted like the streamers. Subject of banner:

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standing Avaloketeśvara, three-quarter face, holding pink lotus in left hand at breast level and flask in right hand at waist level. Figure has shoulders thrown back and waist forward, giving a very hollow curve to the back, which is accentuated by the dragging forward of the folds of the shoulder drapery (stole) due to the positions of the arms and also by the backward sweep of the long end of the stole falling from the left forearm. The masses of black hair behind shoulders give strength to this part of the design. *Padmāsana*, shaded purple; skirt, dull orange; stole, light blue; waist-cloth, white; jewelled tiara with shaded purple lotus upraised in scrolled golden stem as a kind of crest; white taenia; hair in horn-like top-knot bent backwards. Fine conception. iii. 001, upper part and all accessories lost. Figure stands with hands crossed in front; bright red skirt. iii. 002, one streamer missing; head-piece painted with lotus design; border and streamers in silver (?) not blackened. On banner, standing Bodhisattva with hands in *anjāli-mudrā*; skirt raised to knees. iii. 003, standing Avaloketeśvara on red and blue lotuses, in fragments. xxii. 003, interior of head-piece, perished; weighting-piece lost. Standing Avaloketeśvara with hands in *anjāli-mudrā*. Inscribed "Praise to the Bodhisattva whose hands are perpetually raised" (Waley). xxii. 0024, head, shoulders and draperies at waist only of Bodhisattva. xxiv. 006, standing Bodhisattva on blue lotus, skirt raised to show legs; all accessories lost. xxvi. a. 008, standing Bodhisattva on two lotuses (left one missing); hands in *vitarka-mudrā*; upper part and side streamers lost. xxx. 001, fragmentary; standing Bodhisattva. xxxiv. 003, complete but in bad condition; head-piece with painted Dhyāni Buddha much broken. Chinese characters on banner read, "Praise to the Bodhisattva, Prolonger of Life" (Waley); standing Avaloketeśvara (?) weighting-piece is carved with lotus pattern and painted. xlvi. 002, standing Bodhisattva on yellow lotus; lotus in right hand, left before breast; smiling mouth; both ends of painting and all accessories lost. xlvi. 003, standing Bodhisattva on two lotuses, pink and blue; right hand holds blue lotus; left hand upraised beside it; skirt, crimson, blue bordered, arranged to look like trousers. All accessories lost. xlvi. 0012, lower end only; standing Bodhisattva; accessories lost. lv. 0013, lower half only of standing Bodhisattva, on yellow lotus; four lower streamers, green-grey and painted weighting-piece. lv. 0045, standing Avaloketeśvara, head lost, on light blue lotus, holding willow branch in left hand and flask in right; red skirt; pink stole; three lower streamers; all other accessories lost. lxi. 007, standing Bodhisattva on blue and red lotus; blue lotus in right hand; left stretched downwards.

Ch. 0028. Standing Avaloketeśvara on two lotuses; willow-spray in right hand, flask in left; Dhyāni Buddha in *mukuṭa*.

Ch. 0029. Painting of the Thousand Armed Avaloketeśvara with donors, man and woman.

Ch. 0030. Banner: scenes from the life of Buddha, arranged in registers one above the other. (1) The teacher Arjuna testing the knowledge of the Bodhisattva in the presence

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of a second scholar, Devadatta. (2) Wrestling match. (3) Probably a trial of strength. (4) Perhaps the Bodhisattva casting out the dead elephant.

Ch. 0031. Fragment of painting: head and shoulders of Vaiśravana, Guardian of the North with *devi*; Vaiśravana in scale armoured coat, tiara and ear-rings; white streamers at ears; top of halberd with pennon and streamers over right shoulder.

Ch. 0057. Fragment of painting: Buddha seated in meditation on lotus; red robe over shoulders; feet exposed.

Ch. 0067. Silk painting: Amitābha standing full-face, between Avaloketeśvara on his right and Mahāsthāmaprāpta on his left; both turning towards centre. Amitābha wears red robe and green under-robe; right hand in *vitarka-mudrā*; left before breast. Mahāsthāmaprāpta has hands in *vitarka-mudrā*. Avaloketeśvara has left hand in *vitarka-mudrā* and carries flask in right.

Ch. 0071. Remains of banner with three scenes from the life of Buddha, arranged one above the other, dividing bands lost so that now the background appears to be a continuous landscape running through all three scenes. Upper register: Prince with trisula head-dress, seated; middle register: five horsemen, Suddhodana's messengers, riding through hilly country in presence of the Prince; lower register: Buddha seated on golden throne under canopy and Bodhi-tree preaching to three laymen who kneel before him; behind throne, three completely bald-headed monks. Fragmentary inscription in Chinese down left edge, the only legible part reading, "Seeking the Price" (Waley).

Ch. 0072. Upper end of banner with head-piece of damask painted with seated Buddha in red robe on red lotus; *see* also under Textiles, damask, etc.

Ch. 0073. Fragments of banner with dark red lotus and lower part of standing figure in striped skirt of grey and red with rosette spot pattern in counterchanged colours on stripes.

Ch. 0085. Banner: all accessories lost. Subject: Vaiśravana standing facing, on demon, grasping pike in left hand; from right hand rises a cloud supporting a miniature shrine containing seated Buddha. Figure in warrior's costume.

Ch. 0097. Banner: lower half, with lower streamers and weighting-piece of folded paper. Subject: Bodhisattva standing on two lotuses, holding *pōthī* in right hand.

Ch. 0098. Fragment of large painting showing upper half of Lokapāla grasping staff or pike (?) in left hand, right hand at breast level, open, palm out, pointing towards spectator and foreshortened. Face, demoniacal and very vigorously drawn; tiara of scrolls surmounted by upward streaming flames.

Ch. 0099. Fragment of large painting showing drapery and below, part of a head; lotus pedestal supporting jewel in upper left corner.

Ch. 00103. Remains of large painting; subject: eleven-headed Avaloketeśvara (?) (Waley), seated, with attendants; floating Gandharvīs in upper corners. Fragments of figured silk attached.

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Ch. 00104. Remains of large painting; subject: Paradise of Amitābha with side scenes illustrating the Amitayūrdhyānasūtra (Waley). Buddha holds bowl in left hand; right in *vitarka-mudrā* and is attended by Bodhisattvas, the two chief figures seated in the *lalitāsana* pose. Before Bodhisattva group on either side kneels a celestial musician, one playing on lute with plectrum and the other on a zither; other musicians and dancer perform before central altar. At bottom on left a standing Buddha with Bodhisattva, a nymph and two human-headed Garudas, one of whom plays the clappers. Infant souls disport themselves in the water where are also ducks. For further details *see* Serindia pp. 960, 961. Side scenes: right: (1) Ajātaśatru as hermit being beaten by three men. (2) running out of palace. (3) pursuing Queen Vaidehī with sword, Candraprabha and Gīva with swords ready to intervene. (4) Vaidehī visiting Bimbisara in prison. Left: the meditations of Queen Vaidehī; (1) on the Sacred Lake. (2) on Amitābha and another Buddha. (3) on treasure-tower. (4) a Bodhisattva in *lalitāsana*. (5) a Bodhisattva with three small Buddhas above. (6) a Buddha standing on lotus in tank. (7) a tank with scarlet lotus.

Ch. 00105, 00105. a. Large painting; subject: eleven-headed Avaloketeśvara with attendants and donors; attendants: two Lokapalas, Bodhisattvas of Sun and Moon, Śrī Devī and Rishi Vasu and two demons in bottom corners. Heads of donors at bottom—three women and four men in tenth century costume.

Ch. 00107. Banner: subject: standing Vaiśravana carrying pike and miniature stupa. Upper part of canopy and all below knees lost.

Ch. 00108. Banner: subject: standing Avaloketeśvara with lotus in right hand. Both ends and all accessories lost.

Ch. 00110. Two fragments of banner: subject: standing Avaloketeśvara.

Ch. 00111. Banner: subject: Ksitigarbha as monk, right hand holds flaming jewel; left in *vitarka-mudrā*; robe, dull brown barred with black.

Ch. 00115. Fragment of banner: subject: standing Buddha on lotus; hands, palms out, before breast.

Ch. 00116. Fragment of banner: subject: standing Bodhisattva; right hand at breast; left hand (lost) at side.

Ch. 00117. Two fragments of banner showing tusked demon under feet of figure.

Ch. 00121. Fragment of painting: subject: Avaloketeśvara seated on *padmāsana* in *lalitāsana*, right hand hanging over knee, thumb and first finger joined (*kataka hasta*).

Ch. 00124. Painting: subject: seated Avaloketeśvara on lotus in *vajrāsana*; right hand in *vitarka-mudrā* holding long-stemmed lotus; left, holding flask at shoulder level; Dhyāni Buddha in front of *mukuṭa*. A man on either side holding a scroll. Two monk donors on each side.

Ch. 00142. Fragment of banner: subject: Bodhisattva with clasped hands; upper part only.

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Ch. 00157. Painting: subject: seated Avaloketeśvara in *vajrāsana*, hands in *vitarka-mudrā*. An earlier picture visible underneath showing a male figure, standing and holding censer, and a boy attendant.

Ch. 00215. Fragment of painting: lower end only with wooden roller; shows two lotuses and foot of figure on one.

Ch. 00222. Fragment of large painting of Paradise: Buddha seated on lotus behind altar, right hand in *vitarka-mudrā*, attended by two principal Bodhisattvas, ten warriors, six shaven monks and twelve other Bodhisattvas. Below a transverse band of ornament are two small seated Buddhas attended by Bodhisattvas and one of them also by a figure holding a begging staff; before them some small figures in Chinese secular dress. A stūpa by the Buddha on right and a hermit's hat on left. Two water-birds in centre.

Ch. 00223. Painting: subject: Thousand-armed Avaloketeśvara seated with attendants against a halo formed by hands, each hand with an eye in the palm. A certain number of hands hold emblems, among them the Sun, Moon, flask, bowl, staff, triśūla, vajra, bell, jewel, willow-branch, wheel, axe, *sankha*, goad, mace and others. The halo is supported by two Nāgas who stand one on each side below; the Ṛishi Vasu and Śrī Devī also stand right and left.

Ch. 00225. Fragment of painting: subject: Kṣitigarbha and the Ten Kings of Hell. Kṣitigarbha carries the begger's staff; there are also preserved, priest, white lion, four kings and attendant clerks, condemned souls, looking-glass, stag-headed demon and two men and three women donors.

Ch. 00355. Painting: subject as preceding.

Ch. 00451. Fragment of large painting: subject: standing Avaloketeśvara with willow-spray in right hand. The dedication, translated by Mr. Waley, says that the "image" is offered on behalf of the donor's father and mother and expresses good wishes for all living friends and relations and all living things in the realms of Dharma.

Ch. 00452. Large painting: subject: Thousand-armed Avaloketeśvara as Ch. 00223. Attendants, only six; Nāgas, absent.

Ch. 00458. Remains of large painting: subject: Thousand-armed Avaloketeśvara seated, with attendants as Ch. 00223.

Ch. 00460. Painting: subject: Six-armed Avaloketeśvara seated, with attendants; upper hands hold Sun and Moon; middle hands in *vitarka-mudrā*, lower right with thumb and first finger joined, left in *bhimasparśa-mudrā*. Eight small heads including Dhyāni Buddha's, are piled on top of normal head. Attendants, one on either side, stand with hands in *anjali-mudrā*.

Ch. 00465. Remains of banner: subject: Mañjuśrī on lion; Mañjuśrī, seated, facing, with right hand in *vitarka-mudrā*; head and all above lost.

Ch. 00466. Remains of banner: subject: Buddha standing on blue lotus, hands in *anjali-mudrā*; head and all above lost.

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Ch. 00471. Fragment of banner: subject: The Seven jewels—the Minister represented by a hexagonal casket; the Jewel, of trefoil shape; the Wife; the General; the Elephant; the Horse; the Wheel, at top, lost.

Ch. 00473. a-c. Fragments from paintings: (*a*) from Paradise with parts of Vaidehī scenes. (*b*) from Paradise with lower part of subsidiary Buddha with Altar and heads of attendant Bodhisattvas. (*c*) remains of donors; three men kneeling.

Ch. 00475. Several lengths of roll covered with figures of Bodhisattvas outlined but not coloured. At top, a piece of red silk with flower-sprays, outlined. Below, blue silk with outlined Bodhisattvas.

Ch. 00477. Fragment of roll with seated Buddhas in outline only.

Ch. 00478. a. Fragment with part of outlined Bodhisattva.

Ch. 00479. Four lengths, traced with large scroll pattern in black.

Ch. i. 001. Banner: accessories lost; subject: standing Buddha holding begging-bowl.

Ch. i. 004. Banner: head-piece and side streamers lost; subject: standing Vajrapāṇi carrying long vajra; vigorous design.

Ch. i. 006. Banner: similar to preceding.

Ch. i. 0010. Banner: lower streamers missing; subject: standing Bodhisattva on pink lotus holding blue lotus in left hand.

Ch. i. 0012. Painting: subject: sitting Kṣitigarbha on scarlet lotus; *lalitāsana*; begger's staff in right hand; left on knee with flaming crystal; robe, mottled brown barred with black; head drapery, dark pink with floral spots in white; below, donors, priest and layman on one side, priest and lady on the other.

Ch. iii. 006. Fragment of large painting: subject: Mañjuśri seated on white lion and Indian attendant; two Lokapālas holding respectively arrow and sword; two Bodhisattvas; three musicians playing cymbals, reed pipes and *sheng*; in right lower corner a *devī* supporting the hand of a Buddha (?).

Ch. iii. 0013. Fragment of painting backed with linen, in bad preservation: subject: standing Bodhisattva, head lost; right hand with vase holding white lotus; left, low, before body; traces of willow-leaves at sides.

Ch. iv. 001. Fragments of large painting: subject: a Paradise; one fragment shows Avaloketeśvara seated in *lalitāsana* with attendant Bodhisattvas, under trees; other fragments show other Bodhisattvas, a Garuḍa and other figures.

Ch. v. 001. Large painting: subject: Paradise of Amitābha with side scenes illustrating the *Amitāyurdhyāna-sūtra*. Main subject shows central Buddha seated, with hands in *vitarka-mudrā*. Avaloketeśvara and Mahāsthāmāprāpta also seated; other Bodhisattvas kneel with hands in *anjali-mudrā*; ten shaven disciples in row behind; dancer and musicians in foreground. The terraces supporting the above personages, and the celestial mansions, stand over lake in which are lotuses with Garuḍas, single and double-headed; peacock and crane. Side scenes are; right; (1) figure of Buddha rising above

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mountains. (2) the White Rabbit. (3) Ajātaśatru as hermit. (4) Ajātaśatru pursuing his Mother. (5) Vaidehī hurling infant Ajātaśatru from tower. (6) vision of Buddha appearing to Bimbisāra and Vaidehī. (8) Ajātaśatru on horseback going to visit Bimbisāra in prison. Left; meditations of Queen Vaidehī; (1) on Sun and Water. (2) on the ground of Paradise. (3) on the Mansion of Paradise. (4) on the Music. (5) on the Trasure-tower. (6) on the Treasure Tree. (7) on the Lake. (8) on Avaloketeśvara. (9) on Mahāsthāmāprāpta. (10) on the Image of Buddha. (11) on the Body of Buddha.

Ch. xvii. 001. Banner: upper part and side streamers lost; subject: standing Bodhisattva on two lotuses, hands clasped before breast. Three lower streamers with floral ornament in silver (?), now black.

Ch. xx. 001. Banner: accessories lost; subject: Samantabhadra seated in *lalitāsana* on white chhadanta (?) elephant with Indian attendant.

Ch. xx. 002. Part of banner: upper end and accessories lost; subject: standing Buddha on lotus, right hand in *vitarka-mudrā*, left before breast, second and third, fingers flexed, palm up.

Ch. xx. 003. Painting: subject; Amitābha between Avaloketeśvara and Mahāsthāmāprāpta and donors; Buddha with right hand in *vitarka-mudrā*, left at breast, palm down, thumb touching tip of second finger; one donor holds censer, the other a lotus on a platter.

Ch. xx. 0011. Fragment of banner: subject: Virūpākṣa standing.

Ch. xxi. 0013. Banner: head-piece and side streamers lost; subject: Ksitigarbha as monk standing on blue lotus; right hand in *vitarka-mudrā*, left holding flask.

Ch. xxi. 0014. Painting: subject: Eleven-headed Avaloketeśvara seated in *vahāsana*; with two kneeling monks (donors); lower part lost.

Ch. xxii. 001. Part of banner: upper part lost; subject: Mañjuśri seated on pedestal on white lion; hands clasped before breast; three lower streamers with butterfly, bird, leaf and cloud motifs in silver (?) now black.

Ch. xxii. 004. Banner: head-piece painted with blue lotus on red ground; subject Mañjuśri standing on lotus; right hand grasps sword resting on shoulder; left, in *vitarka-mudrā*; upper part of body nude; brown stole; orange skirt; over-skirt red with blue border, lined green. Valance above, in orange, blue and green.

Ch. xxii. 005-007. Fragments of large paintings including part of Paradise with side scenes of Vaidehī in meditation: lower part of Bodhisattva; part of Lokapāla; halo of Thousand-armed Avaloketeśvara.

Ch. xxii. 009. Part of painting of Paradise.

Ch. xxii. 0016. Part of painting: subject: Two-armed Avaloketeśvara seated, with attendant Bodhisattvas and donors.

Ch. xxii. 0021. Banner: accessories lost; subject: Samantabhadra on white elephant.

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Ch. xxii. 0023. Remains of large painting showing sacred images of Buddha. This seems to be a sort of sampler of celebrated images. (For detailed descriptions *see* Serindia, pp. 1024-1026 and Waley, pp. 268-271).

Ch. xxii. 0025. Fragments of painting: subject: Eleven-headed Avaloketeśvara; upper part only.

Ch. xxii. 0030. Part of painting: subject: standing Avaloketeśvara holding in right hand willow-spray and in left, flask; standing Dhyāni Buddha in front of tiara.

Ch. xxiii. 001. Fragment of banner: subject: Virūpākṣa, standing.

Ch. xxiv. 001. Banner: accessories lost; subject: Vajrapāni standing; right arm raised threateningly; left at side holding vajra.

Ch. xxiv. 005. Banner: accessories lost; subject: Buddha standing on two lotuses; right hand raised in *vitarka-mudrā*; left, with flaming jewel.

Ch. xxv. 001. Banner with head-piece painted with half rosette and sprays; all other accessories and lower end lost; subject: a series of three scenes, unidentified.

Ch. xxvi. a. 002. Fragment of banner with three lower streamers painted with leaf and insect design: subject: Dhṛtarāṣṭra in warrior dress, standing on crouching demon; left hand at side holds bow; right, raised, with arrow.

Ch. xxvi. a. 0010. Fragment of banner: accessories lost; subject: Bodhisattva standing on white green-edged lotus holding *pōthi* in left hand, at breast; right hand at side holding loop of stole.

Ch. xxvi. a. 0012. Fragment of banner: lower part only; shows feet of standing figure on pink lotus.

Ch. xxvii. 003. Banner with head-piece and side streamers: bound at edges with printed silk; pattern, a diaper of rosettes in blue and pink on yellow ground; streamers, lozenge damask with tassel-like tufts at points; subject: Bodhisattva standing on white lotus; right hand, pendent; left, at breast in *vitarka-mudrā*.

Ch. xxviii. 002. Fragment of painting with arched upper edge: subject: at right, an elaborate canopy with agitated pendent tassels and to left of it, a sweep of Chinese cloud in which floats a graceful Gandharvī wearing long streaming stole-like draperies; above, two phoenixes and drifting rosettes surrounded by swirling leaves.

Ch. xxviii. 003. Painting, unfinished: subject: Ksitigarbha as Lord of Hell, with attendants, sits on *bhadrapīṭha* throne in *lalitāsana* holding crystal ball in right hand and begger's staff in left; at sides sit the Ten Kings with attendants; right and left of altar are the priest Tao-ming and the lion Chin-mao; from King's vesica, stream six rays "intending to support representatives of the Six Ways." (Waley).

Ch. xxviii. 004. Painting: subject: Eleven-headed Avaloketeśvara seated on *padmāsana* holding in upper hands Sun and Moon; middle hands in *vitarka-mudrā*; lower hands stretched over knees, palms up, thumb and first finger joined.

Ch. xxviii. 006. Large painting: subject: Thousand-armed Avaloketeśvara with flame-bordered halo of hands against a pale buff disc which is upheld by two Nāgas who

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stand, half submerged in the water of a tank; the tank is in the centre foreground of a blue-tiled pavement which reaches half way up the picture and has an ornamental border at its further edge; the tank, drawn in perspective, is edged with the same border, the side nearest to spectator being used to form a sort of altar-table on which is a rich altar-cloth, a smoking gold censer in the centre flanked by a pair of gold cylindrical vases. On left and right lower corners are the Blue-headed Vajra with boar-headed demon in *añjali-mudrā* before him and the Five-headed Vajra with elephant-headed demon in similar pose. Above, the flames surrounding the two Vajras are, to right, the Rishi Vasu and to left, Śri Devī, each seated on a lotus. In top corners are, right, the Sun Bodhisattva on a lotus supported by five kneeling horses and left, the Moon Bodhisattva supported by five geese, in each case the disc containing them resting on a bank of cloud; flowers float in the air between further edge of pavement and borders of picture. (For further details *see* Serindia, p. 1036).

Ch. xxxiii. 0011. Part of painting: subject: Bodhisattva seated on lotus, right hand on thigh holding erect flaming sword and left holding vajra; Dhyāni Buddha in front of *mukuṭa*; two attendant figures seated or kneeling in lower corners and two others above; two infant figures in scarlet top-boots hold up lotus buds and two others float on clouds.

Ch. xxxvii. 001. Painting: subject: Eleven-headed Avaloketeśvara seated with attendants and donors.

Ch. xxxviii. 001. Fragment of large painting: subject: the Thousand-armed Avaloketeśvara.

Ch. xxxviii. 002. Upper half of banner: subject: Bodhisattva.

Ch. xxxviii. 006. Fragment of large painting: subject: incoherent, several pieces joined indescriminately; altar, pavillion and Bodhisattvas are present.

Ch. xl. 001. Remains of banner: subject: five seated Bodhisattvas.

Ch. xl. 004. Banner with head-piece, streamers and weighting-piece: subject: Bodhisattva standing, with hands hanging, crossed, before body.

Ch. xl. 005. Banner: accessories lost; subject: Avaloketeśvara standing, with willow-spray (?) in right hand and flask in left at side; Dhyāni Buddha in front of tiara.

Ch. xl. 006. Fragment of banner; subject: Kṣitigarbha as monk; head only preserved.

Ch. xlvi. 007. Part of banner: subject: scenes from the Life of Buddha; (1) Flight from the Palace. (2) pursuit. (3) attendants of the Prince under arrest and examination by the King. (4) "The Five Companions being instructed to accompany the two ministers in their search for the Prince." (Waley).

Ch. xlvi. 008. Painting: dated A. D. 949; subject: Śākyamuni sitting on a terrace over a lake, with six Bodhisattvas and four Lokapālas; above, ten small Buddhas. (For identification of this subject *see* Waley, p. 285).

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Ch. xlvi. 0010. Part of banner: subject: Avaloketeśvara standing with flask in right hand and lotus bud in left.

Ch. xlvi. 0011. Fragment of banner: subject: Bodhisattva, upper half only; right hand holds purple lotus, left at breast, palm downwards, fingers extended.

Ch. xlvi. 0014. Painting: subject: Avaloketeśvara sitting on lotus behind a large altar; right hand before breast in *vitarka-mudrā* holding a spray of willow; left holds flask; two Lokapālas and two small Bodhisattvas in attendance. Two infants stand at ends of altar in pose of adoration; donors ranged on either side.

Ch. xlvii. 001. Large painting: subject: Paradise of Amitābha, without side scenes. The background is divided into three nearly equal horizontal parts of which the centre is the Lake, the foreground an elaborately tiled terrace and the upper a balustraded terrace open to the sky. Three large and elaborate lotuses, the centre larger than the two others are placed on the Lake; on the centre lotus, Amitābha; to right, Avalokiteśvara with two attendants; on the left, Mahāsthāmāprāpta with two attendants. On a small lotus in front of Amitābha is an elaborate sacred vessel topped with flame, and on each side of it an adoring Bodhisattva on lotus. Ducks float on the water and a row of eight infant souls each in a lotus bud are spaced across the picture just on the other side of the railing which guards the further edge of the pavement. In the centre of the railing is an open section where is a sort of gangway plank on which stand five birds, parrot, peacock, white crane, *jivajiva* (two-headed) and phœnix. On each side of Amitābha is a very decorative slim shaft topped with a flaming ball and rising from behind his shoulders two tree stems carrying the floral canopy above. On the further terrace are two banana plants. In the sky are floating Gandharvīs, Bodhisattvas, infants and musical instruments. On the pavement in front are eight seated Bodhisattvas, each on a lotus, four to right and four to left. Near centre are the donors on mats, and to right and left of them two large infants. (For further details *see* Serindia, p. 1049).

Ch. liii. 002. Part of painting: subject: Paradise of Bhaiṣajyaguru. An elaborate scheme of terraces and pavillions over the Lake of Rebirth. In centre, Bhaiṣajyaguru seated on lotus with attendant Bodhisattvas, monks, etc., musicians and dancer. At sides are small scenes, those to left lost; to right, the Nine Forms of Violent Death are illustrated of which eight remain.

Ch. liv. 001. Part of painting: subject: Thousand-armed Avalokiteśvara with attendant divinities and donors. . (For translation of dedicatory inscription *see* Waley, pp. 291-292).

Ch. liv. 002. Banner: side streamers missing; head-piece embroidered with floral design bordered with terra-cotta coloured damask painted with cloud scrolls in silver (?); weighting-piece painted with floral design; subject: Vajrapāṇi in violent pose on two lotuses, right arm upraised, left down, holding vajra.

Ch. lv. 006. Banner: subject: Bodhisattva standing on lotus.

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Ch. lv. 008. Banner: accessories lost; subject: Vajrapāṇi standing on lotus and supporting vajra on open palm of right hand.

Ch. lv. 0010. Banner: subject: Life of Buddha. (1) Queen Māyā asleep on couch while three divinities kneeling on cloud, adore the unborn Buddha. (2) Queen Māyā seated in open palanquin carried by four bearers on the way to the Lumbini Garden, two additional bearers carry trestles on which to rest the palanquin when bearers change about. (3) Birth of prince; Māyā stands with right arm raised, grasping the bough of a tree and the infant dives out from the opening of the wide sleeve; a kneeling woman holds a lotus in which to receive him and two other women stand supporting Māyā. (4) The infant performs the seven steps, his feet received by lotuses as he strides, Māyā and two women watch in adoration. All but the first scene have landscape backgrounds.

Ch. lv. 0011. Banner: all accessories lost; subject: Life of Buddha (1) the Flight from the palace, shows a sort of bird's-eye view of courtyard of palace with sleeping-pavillion from which the prince has escaped on the horse Kaṇṭaka, borne on a cloud over the further wall of the courtyard, the groom Chaṇḍaka in attendance, while the women musicians and attendants are fast asleep, as are also the two men on guard outside the gate of the nearer wall. (2) King Śuddhodana examining the attendants and guard who are all apparently under arrest. Background, a hilly landscape.

Ch. lv. 0014. Banner: subject: Bodhisattva standing on white lotus holding rosary in right hand, left hand before breast.

Ch. lv. 0015. Banner: all accessories lost; subject: Rebirth of Souls from Sukhāvatī. At bottom edge is the lake from which rise lotuses bearing five Bodhisattva-like seated figures, a dancing infant at top.

Ch. lv. 0019. Part of banner: subject: Bodhisattva standing, left hand in *vitarka-mudrā* before breast; a flask painted in front of tiara.

Ch. lv. 0020. Part of banner: weighting-piece lost; subject: Virūpākṣa standing on demon holding sword upright in left hand; right hand raised, palm out, fingers spread.

Ch. lv. 0021. Remains of banner: subject: Legends unidentified; four scenes; (1) a palace with white elephant in front of it; to right, a lion; to left, a man. (2) a prince seated in verandah; a long-coated man outside. (3) verandah with two women and behind them a man holding a child in swaddling clothes; two smaller figures. (4) entry into city of naked infant on white elephant attended by two women, one holding an umbrella over infant; other attendants, two on horse-back.

Ch. lv. 0022. Fragment of banner: subject: Legends; three scenes, unidentified.

Ch. lv. 0025. Fragment of banner showing canopy only.

Ch. lv. 0029. Fragment of banner; subject: Avalokiteśvara standing on lotus; right hand at side in *vitarka-mudrā*; left carrying pink lotus.

Ch. lv. 0030. Fragment of banner; subject: Mañjuśrī standing on lotus carrying sword in left hand.

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Ch. lv. 0033. Part of large painting: subject: Paradise of Amitābha with side scenes showing legend of Ajātaśatru and meditation of Queen Vaidehi. (For detailed description *see* Serindia, p. 1071.)

Ch. lv. 0034. Banner with head-piece and side streamers: head-piece painted with floral design and bordered with fine silk tapestry; subject of banner: standing Bodhisattva with flaming jewel in left hand.

Ch. lv. 0046. Banner: all accessories lost; subject: Virūpākṣa standing on demon holding long sword in scabbard vertically before him, the point resting on demon's head.

Ch. lv. 0047. Large painting: subject: Paradise of Amitābha with side scenes illustrating the legend of Ajātaśatru and meditations of Queen Vaidehi. (For details *see* Serindia, p. 1073.)

Ch. lvi. 001, 004-007, 009, 0010. Banners in primitive style: subject: standing figures; 001, 004, Padmapāni (?), right hand in *vara-mudrā*, left holding pink lotus. 005, 006, Bodhisattva. 007, Mañjuśrī (?) right hand in *vara-mudrā*, left carrying blue lotus. 009, Mañjuśrī, right hand carrying sword over shoulder, left, at side in *vara-mudrā*, 0010, Mañjuśrī, right hand in *vara-mudrā*, left, carrying blue lotus.

Ch. lvi. 0014. Large painting: subject: Thousand-armed Avalokiteśvara seated with attendant divinities; lower part green, water; upper part, blue, sky; figures on dark purple clouds above, five on each side, the Buddhas of the Ten Quarters; in upper corners are Bodhisattvas of the Sun (right) and Moon (left) (For detailed description *see* Serindia, pp. 1073-1074).

Ch. lvi. 0018. Large painting: subject: Paradise of Amitābha with illustrations of the *Amitāyurdhyāna-sūtra*. (For detailed description *see* Serindia, p. 1077 and Waley, pp. 306-307).

Ch. lvi. 0032. Fragments of banner with painted floral head-piece: subject: Life of Buddha; one scene only identified; Prince Siddharta shooting at the drums.

Ch. lviii. 002. Fragment of large painting: subject: Avaloketeśvara maṇḍala, almost effaced.

Ch. lviii. 004. Part of banner: subject: Bodhisattva standing on lotus, hands together at waist with fingers straight and interlaced.

Ch. lviii. 0011. Large painting: subject: Paradise of Amitābha, side scenes lost; in upper part, Amitābha enthroned with Avaloketeśvara and Mahāsthāmaprāpta with attendant Bodhisattvas right and left; altar in front; dancer and musicians in centre; subsidiary Buddhas with attendants are seated on small terraces right and left at bottom of picture and two infant souls are seen on the sloping gangways leading up from the lake to these terraces. In centre, near lower edge, is a small tile-bordered tank with lotuses, birds and "Garuḍa;" just above is a seated or kneeling figure with back to the spectator, pehaps Queen Vaidehi.

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Ch. lix. 001. Remains of banner, with head-piece and metal ring through suspension loop: subject: Vaiśravana standing on demon; right hand holds pike-staff; left gathers up folds of robe at hip; expression of fury on face.

Ch. lix. 006. Part of banner with four lower streamers and painted weighting-piece: subject: Vajrapāni standing on two lotuses.

Ch. lix. 0010. Painting, much damaged: subject: two standing Avaloketeśvaras facing each other with donors below; between Bodhisattvas stands a large vase holding lotuses and buds. A strip of another painting is sewn to lower part.

Paintings on linen.

Ch. 0052, 00126, 00127, 00129, 00130; xxi. 005, 008. Paintings: subject: standing Avaloketeśvara. 0052, lotus spray in right hand, flask at side, in left. 00126, standing, with donors; right hand with willow-spray; left with flask. 00127, six-armed, standing with donors. 00129, standing, with donors. 00130, standing. xxi. 005, six-armed, standing with donors; Sun on right hand, Moon on left. xxi. 008, standing, right hand with willow, left with flask at side.

Ch. 0060. Banner, streamers lost: subject: Kṣitigarbha; hands in *anjali-mudrā*; Dhyāni Buddha in head-piece.

Ch. 0080. a-e. Five head-pieces from banners: subject: seated Dhyāni Buddha.

Ch. 00125. Painting: subject: six-armed Avaloketeśvara standing with Sun and Moon in upper hands: middle hands in *vitarka-mudrā* with willow-spray in each; lower hands at sides, holding, left, rosary, right, flask; a standing child on each side, the Good and Bad Boy; at bottom, six donors, standing.

Ch. 00131. Painting: subject: six-armed Avaloketeśvara seated with attendant and donors; upper and middle hands as preceding; lower hands obscure; Śrī Devī on left; Rishi Vasu on right.

Ch. 00132. Painting: subject: Amitābha with Avaloketeśvara and Mahāsthāmaprāta; almost effaced.

Ch. 00133, 00136, 00137, 00141; i. 0015; iii. 0015, 0017; xx. 0010; lvi. 0021, 0022, 0023; lxiv. 001. Banners: complete with head-piece, streamers and weighting-piece; subject: standing Avaloketeśvara.

Ch. 00138. Banner head-piece: square, divided diagonally, a seated Buddha in each half.

Ch. 00139. Banner: subject: standing Avaloketeśvara; right hand at breast in *vitarka-mudrā*

Ch. 00140. Banner: with head-piece and remains of streamers; subject: standing Bodhisattva with lotus in right hand.

Ch. iii. 0016. Banner: with head-piece and side streamers; subject: standing Bodhisattva; right hand in *vitarka-mudrā*.

Ch. iii. 0018. Banner: ragged; subject: standing Bodhisattva, right hand in *vitarka-mudrā*.

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Ch. xx. 009. Painting: subject: seated Avaloketeśvara on lotus; right hand in *vitarka-mudrā*, left hanging, palm down, over knee; six donors, three men on right, three women on left.

Ch. xx. 0011. a. Banner: with head-piece; subject: standing Buddha, right hand in *vitarka-mudrā* at breast; left, horizontal, below, open, palm up.

Ch. xxi. 009, 0010. Banners: subject: standing Avaloketeśvara.

Ch. xxi. 0012. Large banner: head-piece with Dhyāni Buddha on each side.

Ch. xxiii. 004. Banner: incomplete; subject: Avaloketeśvara standing with hands in adoration.

Ch. liii. 003. Large painting: subject: Paradise of Amitābha with side scenes of *Amitāyurdhyāna-sūtra*. Side scenes: to right; (1) a mountain, (Gṛdhrikūṭa), (2) Bimbisāra and Vaidehi doing homage to Śakyamuni. (3) Ajātaśatru pursuing his Mother; Candraprabha and Jīva appear in front. (4) Ajātaśatru on horseback and his father, wearing the *cangue* led before him. To left, Vaidehī meditating on (1) Sun and Water. (2) Water as Ice. (3) Ground of Paradise. (4) Precious Trees. (5) Treasure Stand. (6) Lotus Throne. (7) Lake of the Eight Virtues. (8) Rebirth in Paradise. (9) Avaloketeśvara. (10) Mahāsthāmaprāpta. (11) Amitābha. (12) obscure. At bottom left, donors.

Ch. liv. 009. Banner: standing Avaloketeśvara with hands in adoration.

Ch. lv. 0036. Banner: as preceding.

Ch. lv. 0038-0043. Banners: with head-pieces, streamers and weighting-pieces of paper; subject: standing Avaloketeśvara; hands in adoration.

Ch. lvi. 0020. Miniature canopy: with knotted linen tags at corners (two lost) and suspension loop in centre; upper surface painted as draped and tasselled canopy; underside with four seated Dhyāni Buddhas, heads to centre.

Ch. lxii. 001. Painting: subject: Eleven-headed Avaloketeśvara, seated, with attendants and donors; upper hands hold Sun and Moon; middle hands at breast; right with willow-spray; lower hands with Rosary and Flask. Altar with *devī*. Above, the Buddhas of the Ten Quarters; four Lokapālas and two demon attendants; Rishi Vasu left and Śri Devī right; donors below.

Ch. lxiv. 002. Banner: with head-piece; subject: Avaloketeśvara, standing; hands in adoration.

Paintings, Drawings, etc., on paper.

Ch. 0056. a. b. Fragments of two miniature banners: upper parts with head-piece and traces of side streamers; subject: on head-piece, seated Buddha; body of banners divided into squares each sub-divided by diagonals into four triangles variously coloured.

Ch. 00146. Drawings of hands; studies for the emblems of the Thousand-armed Avaloketeśvara; "Three are labelled *mudrā* hand, red or naked hand and bow hand" (Waley).

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Ch. 00148. Four shrines, pagoda-like, in buff fret-work pasted on to blackened paper sheet; one shrine, large, has a rampant winged (?) beast on each side leaping towards it; below, in front, a pair of phoenixes and right and left of them, two parrots or pigeons; under eaves, a pair of grotesque human or monkey figures.

Ch. 00150. b, d. Block impressions showing at top, seated Avaloketeśvara with labels right and left resting on lotuses and containing; right, salutation; left, dedication; below, a prayer, all in Chinese.

Ch. 00151, c, e, g, s. Block impressions of Mañjuśrī on lion with two attendants; right and left, salutation and dedication; below, prayer.

Ch. 00153. Drawing of a pair of hands, upright, palm outwards, fingers spread; resting on a lotus; bangles on wrists; with indication of significance of various parts, written in Chinese. "Each finger-nail corresponds to a virtue. The five fingers correspond to the Five Elements" (*see* Waley).

Ch. 00154. Block impression; two figures of Buddha seated on lotus under canopies; right hand in *vitarka-mudrā*; left, in figure on left, palm inwards on knee; in figure on right, horizontal at breast, palm up.

Ch. 00155. Drawing of four Bodhisattvas, two above and two below; the upper ones standing, holding rosary in one hand; the lower, seated, one holding vajra in left hand, the other, a lotus in right hand.

Ch. 00158. Block impression of Vaiśravaṇa standing on upturned hands of figure rising from cloud; right hand grasps upright staff of pennoned halberd; left supports miniature shrine; right front, an attendant wearing tiger pelt over head and shoulders, carries in right hand a mongoose and in left a flaming jewel; behind this figure is a demon in tiger-skin breeches and upward streaming hair, holding aloft an infant; to left, Śrī Devī with dish of fruit and flowers.

Ch. 00161. Drawing of Vaiśravaṇa standing on arm and hand of seated demon, holding pennoned lance in left hand and miniature shrine in right.

Ch. 00163. Painting of Mañjuśrī on white lion, led by attendant; with lady and infant on mat to left.

Ch. 00184. Painting of Eleven-headed Avaloketeśvara, seated, attended by the Good and Bad Boys; upper hands hold Sun and Moon; middle hands: right, in *vitarka-mudrā*, left, with lotus bud; lower hands stretched out above knees; dated A.D. 955.

Ch. 00185. b, c, f. Block impressions of Avaloketeśvara standing; right hand holding flask; left at breast in *vitarka-mudrā*, with long-stemmed lotus between fingers; below, dedicatory prayer of the "donor" Ts'ao Yuan-chung, who mentions Lei Yen-mei as the engraver and the date A.D. 947. *See* Waley, pp. 199, 200.

Ch. 00203. a-c. Block impression with Amitābha seated on lotus; salutation on right and dedication on left; below, prayer.

Ch. 00356. Painting of seated Buddha with donors.

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Ch. xx. 009. Painting: subject: seated Avaloketeśvara on lotus; right hand in *vitarka-mudrā*, left hanging, palm down, over knee; six donors, three men on right, three women on left.

Ch. xx. 0011. a. Banner: with head-piece; subject: standing Buddha, right hand in *vitarka-mudrā* at breast; left, horizontal, below, open, palm up.

Ch. xxi. 009, 0010. Banners: subject: standing Avaloketeśvara.

Ch. xxi. 0012. Large banner: head-piece with Dhyāni Buddha on each side.

Ch. xxiii. 004. Banner: incomplete; subject: Avaloketeśvara standing with hands in adoration.

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Ch. 00148. Four shrines, pagoda-like, in buff fret-work pasted on to blackened paper sheet; one shrine, large, has a rampant winged (?) beast on each side leaping towards it; below, in front, a pair of phoenixes and right and left of them, two parrots or pigeons; under eaves, a pair of grotesque human or monkey figures.

Ch. 00150. b, d. Block impressions showing at top, seated Avaloketeśvara with labels right and left resting on lotuses and containing; right, salutation; left, dedication; below, a prayer, all in Chinese.

Ch. 00151, c, e, g, s. Block impressions of Mañjuśrī on lion with two attendants; right and left, salutation and dedication; below, prayer.

Ch. 00153. Drawing of a pair of hands, upright, palm outwards, fingers spread; resting on a lotus; bangles on wrists; with indication of significance of various parts, written in Chinese. "Each finger-nail corresponds to a virtue. The five fingers correspond to the Five Elements" (*see* Waley).

Ch. 00154. Block impression; two figures of Buddha seated on lotus under canopies; right hand in *vitarka-mudrā*; left, in figure on left, palm inwards on knee; in figure on right, horizontal at breast, palm up.

Ch. 00155. Drawing of four Bodhisattvas, two above and two below; the upper ones standing, holding rosary in one hand; the lower, seated, one holding vajra in left hand, the other, a lotus in right hand.

Ch. 00158. Block impression of Vaiśravaṇa standing on upturned hands of figure rising from cloud; right hand grasps upright staff of pennoned halberd; left supports miniature shrine; right front, an attendant wearing tiger pelt over head and shoulders, carries in right hand a mongoose and in left a flaming jewel; behind this figure is a demon in tiger-skin breeches and upward streaming hair, holding aloft an infant; to left, Śrī Devī with dish of fruit and flowers.

Ch. 00161. Drawing of Vaiśravaṇa standing on arm and hand of seated demon, holding pennoned lance in left hand and miniature shrine in right.

Ch. 00163. Painting of Mañjuśrī on white lion, led by attendant; with lady and infant on mat to left.

Ch. 00184. Painting of Eleven-headed Avaloketeśvara, seated, attended by the Good and Bad Boys; upper hands hold Sun and Moon; middle hands: right, in *vitarka-mudrā*, left, with lotus bud; lower hands stretched out above knees; dated A.D. 955.

Ch. 00185. b, c, f. Block impressions of Avaloketeśvara standing; right hand holding flask; left at breast in *vitarka-mudrā*, with long-stemmed lotus between fingers; below, dedicatory prayer of the "donor" Ts'ao Yuan-chung, who mentions Lei Yen-mei as the engraver and the date A.D. 947. *See* Waley, pp. 199, 200.

Ch. 00203. a-c. Block impression with Amitābha seated on lotus; salutation on right and dedication on left; below, prayer.

Ch. 00356. Painting of seated Buddha with donors.

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Ch. 00378. Painting of standing Buddha and seated saint (?) with black attendants; before saint, a covered vessel and at one corner of prayer-mat an upright pole with cross-piece, from which hang fly-whisk and flask; inferior drawing.

Ch. 00379. Exorcist's diagram; at the four sides are demons; ox-headed, horse-headed, tiger-headed and elephant-headed; in corners of square, the four Lokapālas; in centre, a flask surrounded by a wheel and crossed vajras. Beneath square, a monk seated on a mat; on left, the patient; in left lower corner, the medium transfixed with knives, to whom the evil has been transferred.

Ch. 00383. a-c. Three fragments of painting: (*a*, *b*) showing part of a Child-Protecting Maṇḍala; ten of the fifteen demons who prey upon children are preserved and a small seated Buddha; (*c*) a series of seated Buddhas. *See* Waley, pp. 241, 242.

Ch. 00384. Painting of Avaloketeśvara (?) seated on lotus; hands in *vitarka-mudrā*.

Ch. 00385. Painting of Nine-headed Avaloketeśvara with two monkish attendants.

Ch. 00388. Painting of procession of bactrian camels and horse led by a man. Chinese writing on back.

Ch. 00389. Painting of Eleven-headed Avaloketeśvara seated on red lotus; monk donor below.

Ch. 00390. Painting of Eleven-headed Avaloketeśvara seated on scarlet lotus rising from tank of green water from which rise crimson and purple lotuses and scrolled foliage.

Ch. 00394. a, b. Paintings of two standing Thousand-armed Avaloketeśvara with usual symbols.

Ch. 00395. Painting of Eleven-headed Avaloketeśvara seated on lotus. In Sun-disc, on left hand, is a crested phœnix.

Ch. 00396. a, b-d. Paintings of seated Buddhas; paper probably of T'ang period.

Ch. 00397. Painting with border of dark green silk along top and sides and linen suspension loops; Four-armed Avaloketeśvara.

Ch. 00398. Painting forming Buddhist diagram with symbols in place of figures of divinities.

Ch. 00402. Painting of seated Buddha.

Ch. 00403. Fragment of painting showing upper half of standing Avaloketeśvara.

Ch. 00405. Edge of painting showing left hand and foot of Vaiśravana, Śri Devī on a group of hillocks, to right; attendant Bodhisattva on cloud at top and at bottom a dragon in one of a series of medallions.

Ch. 00409. Fragment of painting showing upper part of Vajrapāni in attitude of fury, left hand uplifted brandishing vajra (?).

Ch. 00411. Remains of painting of seated Avaloketeśvara.

Ch. 00412. Fragment of painting showing black-capped demon with club riding a dragon; remains of Chinese inscription. *See* Waley, p. 245.

Ch. 00414. Sheet of block impressions on squares of paper pasted together, each with a seated Buddha in oblong panel.

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Ch. 00415. a. Repetitions of block impressions of Buddha seated in *dharmacakra-mudrā;* between two standing Bodhisattvas.

Ch. 00416. a, b. Fragments from sheet of block impressions of seated Bodhisattva holding long-stemmed lotus in right hand.

Ch. 00419. Fragmentary roll of block impressions of Buddha seated.

Ch. 00420. Block impression of Buddhist charm; circular, with lotus in centre and head of vajra in each petal; ten concentric rings of Tibetan inscription round lotus; border of vajras and flame; three lines of Chinese in heart of lotus.

Ch. 00423. Fret-work picture of shrine in buff paper pasted on black sheet, most of fret-work missing; *cf.* Ch. 00148.

Ch. 00424. Sketches of two demoniac divinities; on *reverse:* hands in various positions, two holding writing brush.

Ch. 00425. Upper part of stencil for Bodhisattva.

Ch. 00427. Drawing showing Bodhisattvas seated on lotuses arranged in tiers forming a cone-shaped mass, rising from a hexagonal base.

Ch. 00522. Rough sketch of Four-armed Avalokiteśvara standing with ten attendant divinities on smaller scale ranged down either side, all seated on lotuses. All figures have lotus-petal-shaped halos; in corners are four four-armed divinities seated on animals; down each side, three Bodhisattvas.

Ch. i. 0017. Painting of Six-armed Avalokiteśvara standing, with Good and Bad Boy in attendance, holding rolls of paper.

Ch. xi. 004. Fragments of painting from end of MS. roll, showing part of seated (?) Buddha.

Ch. xvii. 003. Painting of standing Virūḍhaka with club resting on ground and supported by left hand; right hand at breast.

Ch. xx. 0014. Banner with head-piece bearing drawing of lotus and leaves; subject: standing Bodhisattva, hands in *anjali-mudrā;* both sides similar.

Ch. xx. 0015. Banner complete; in head-piece, Dhyāni Buddha; subject: standing Bodhisattva; right hand in *vitarka-mudrā;* left at side.

Ch. xxii. 0032. Banner from same series as preceding.

Ch. xxii. 0033. Banner; subject: divinity Prajāpati (?), without halo, on peacock (?); in right hand a jewel; in left, a cock.

Ch. xxii. 0034. Banner; subject: Vaiśravana seated on dais, left leg dangling, right, across; halberd in left hand; shrine in right.

Ch. xxviii. 005. Fragment of painting; subject: Amitābha Trinity; Amitābha, seated holding alms-bowl; (head and left side lost); on his right, Avalokiteśvara with willow-spray in right hand; at left lower corner, a woman donor kneels in adoration; careless drawing.

Ch. xxxvi. 002. Block impression of Chinese text from same original as Ch. 00158, *q. v.*, dated A.D. 947.

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Ch. xl. 009. Painting showing Buddha seated in Chinese shrine.

Ch. xli. 001, 003. Drawing of Buddha seated under canopy; pricked through for pouncing.

Ch. lvi. 0027-0031. Painting on triangular pieces of paper: the Five Divine Bodhisattvas seated on lotuses and each wearing *mukuṭa* with the five Dhyāni Buddhas; nimbus, lotus-petal-shaped; vesica, elliptical; bordered with flame. Samantabhadra holds cakra; Vajrapāni, vajra; Ratnapāni, jewel; Padmapāni, lotus; Viśvapāni, crossed vajras.

Ch. lxiii. 022. Painting with suspension loops; subject: Kṣitigarbha as Regent of Hell, sits on scarlet lotus behind altar; on one side stands the priest Tao-ming, on the other a white lion; behind each, stand five Kings of Hell with attendants holding rolls of paper; two seated Buddhas in upper corners; below, four donors; woman and girl to left, two men to right.

Ch. lxiv. 005. Banner: subject: standing Bodhisattva, as Ch. xx. 0015.

Ch. lxvi. 002. Painting of Eleven-headed Avaloketeśvara, standing; woman donor and child, the child playing a lute. Painting is mounted on larger sheet and then backed with coarse linen, the border decorated with paper flowers made up of superimposed discs. Traces of gold on picture. From inscriptions it appears to have been dedicated by a woman in gratitude for a daughter. *See* Waley, p. 314.

Textiles; silk; plain and miscellaneous.

Ch. 00382. MS. roll cover made of silk mounted on stout paper; outside, yellow, bound at ends with green and on long edges with bright yellow; inside, silk damask; pattern; small quatrefoil spot; tie of crimson, yellow and blue silk.

Ch. 00479. Four lengths of silk, buff; traced with large scroll pattern in black.

OBJECTS FROM AN-HSI.

Pottery.

An-hsi 001, 002. Fragments; hand-made; grey with red surface; 002, outer surface black; mat-marked.

OBJECTS FROM SO-YANG-CH'ENG (So.)

(Occupation down to Sung times or later.)

Pottery.

So. 0022. Fragment of stoneware; buff; T'ang dynasty or earlier.

So. 0026. Fragment of stoneware; buff, glazed white; crackled; floral (?) pattern in brown inside; glazed dark brown; Tz'u-chou (?).

So. 0027. Fragment of stoneware; dark grey; glazed, outside, brown; inside, white, marbled with pale green; Chinese.

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So. 0028. Fragment of porcelain from foot of bowl; floral design in blue under green-white glaze; Ming dynasty.

So. 0031. Fragment of stoneware; buff; glazed brown-black; T'ang (?) dynasty.

So. 0032. Fragment of porcelain bowl; white; glazed green-white; Chinese.

So. 0034. Fragment of porcelain bowl; glazed white, marbled-blue border; Chinese, seventeenth century.

So. 0035. Fragment; mat-marked; grey.

So. 0040. Fragment of porcelain bowl; coarse, white; painted with dark blue patterns.

So. 0041. Mouth of amphora; coarse red-buff; irregularly glazed deep brown.

So. 0043. Fragment of stoneware; mat-marked inside; glazed outside white, with floral ornament in brown; inside, glazed brown.

So. 0044. Fragment of porcelain bowl; white with blue decoration, seventeenth century.

So. 0046. Fragment; mat-marked; red.

So. 0048. Fragment of stoneware; buff; glazed dark brown.

So. 0049. Fragment of stoneware bowl; glazed turquoise.

So. 0050. Fragment; with appliqué beast's head; inner surface dotted with small round studs.

So. 0051. Fragment of porcelain bowl; grey-white with floral design in blue; six rivet holes; late Ming (?) dynasty.

So. 0052. Fragment of terra-cotta plaque; Buddha seated; perhaps accidentally burnt.

Glass.

So. 0054. Fragment of green glass; lump.

Metal.

So. 0015. Iron arrow-head; lozenge-shaped with square shoulder; tang missing.

So. 0017. Bronze stud with domed head.

So. 0018. Bronze rosette.

So. 0019. Fragment of bronze mirror with relief of running stag; obscure.

Wood.

So. 009. Upper right arm of figure; life-size, showing elaborately ornamented drapery carved in relief.

Miscellaneous.

So. 0024, 0053. Fragments of shell.

So. 0055. Lump of yellow ochre.

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OBJECTS FROM RUINED STŪPAS AND SHRINE EAST OF SO-YANG-CH'ENG (So. a.)

Pottery.

So. a. 003. Fragment of roof-tile with patterns in relief; glazed green.

So. a. 004. Arm of small stoneware figure of Buddha; white, glazed translucent pale green.

So. a. 005. Fragment, moulded; pattern unintelligible; glazed green.

Stucco.

So. a. 008-0010. Clay models of stupa with inscription round base.

OBJECTS FROM WAN-FO-HSIA (Wang.)

Stucco.

Wang. 002-004, 006, 007. Plaques showing Buddha seated between two caityas, all from one mould; clay mixed with fibre; traces of paint.

OBJECTS FROM CH'IAO-WAN-CH'ENG (Chiao.)

Pottery.

Chiao. 01, 02. Fragments of roof-tiles, semi-cylindrical with circular outer ends (ante-fixæ) moulded as grotesque mask; grey.

Chiao. 03. Fragment of roof-tile as preceding but different face; buff.

Chiao. 05. Fragment from rim of vessel; three rivet-holes; grey.

Chiao. 06, 07. Two hollow bricks from "string" ornament in low relief; design: large open peony with stem and leaves; pearls along lower border; grey.

Chiao. 08, 09. Two hollow bricks as preceding but with sunflower (?) design.

Chiao. 010. Fragment of hollow brick as preceding but probably different flower motif.

OBJECTS FROM HEI-SHIU-KUO (Kan-chou.)

Pottery.

Kan-chou. 002, 003. Fragments of porcelain; glazed celadon green on one side; incised lines on 002; Sung dynasty.

Kan-chou. 004, 005, 007. Fragments of stoneware; traces of white slip and glaze, mostly creamy-white, but 007 brown on one side; Sung dynasty.

Kan-chou. 008. Fragment of stoneware, slightly ribbed; glazed dull black; Chinese.

Kan-chou. 009. Fragments of stoneware bowl; grey; glazed green-black; Sung dynasty (?).

Kan-chou. 0010. Fragment of stoneware; grey; glazed black.

Kan-chou. 0013. a-k. Ten fragments of porcelain painted in under-glaze blue in floral and geometrical patterns; mostly Ming.

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Kan-chou. 0014. Fragment of porcellaneous ware; creamy glaze; Ting; Sung dynasty.

Kan-chou. 0015-0018. Fragments of porcelain painted with under-glaze blue; 0015, scroll-work; 0016, floral; 0017, floral; 0018, cloud scroll; Ming dynasty.

Kan-chou. 0019. Fragment of stoneware; glazed outside creamy-white with brown floral ornament; inside, brown; T'zu-chou, Ming dynasty.

Kan-chou. 0020-0025, 0027, 0028. Fragments of porcelain bowls; 0020, painted in bands of under-glaze blue; 0021, glazed celadon grey-green; 0022, floral pattern in blue; 0023, floral pattern and dragon; blue; 0024, blue scroll pattern; 0025, floral pattern in blue; 0027, floral design in blue; 0028, floral scrolls in blue. All Ming dynasty.

Metal.

Kan-chou. 0012. Iron hook.

OBJECTS FROM SHRINES AT MA-TI-SSŬ.

Wood.

Ma-ti-ssu 010. Carved panel. Three boards of unequal width, 1 inch thick, are butted together and held by two battens at back about $1\frac{1}{8}$ inches thick and $2\frac{1}{8}$ inches wide, fastened by sliding into shallow dovetail groove, the edges of battens being cut to fit dovetail. To the board thus formed are applied a carved border of bold "torus" section, an inner flat border and in a row along middle board of panel, four bosses carved with Chinese symbols.

Torus is mitred at corners and has slightly projecting continuous flat members on each side, by which it is fastened to board by wrought-iron nails. Flat inner border fastened by means of wooden dowel-pins. Bosses have chamfered border and are fastened to board by means of iron nails. The whole is oblong, the short edges vertical.

Upper and lower borders are carved with a group of five (upper) and three (lower) mountain peaks as the central feature, the central peak supporting an uncarved boss or disc. Right and left a sinuous snake-like, three-toed dragon with almond-shaped hairy tail, energetically striding away from centre, but neck and head recurved towards centre. Head was carved in separate piece and in each case is missing, the dowel only remaining. Body scaly.

Floral scroll-work of trefoil leaves in profile forms a background to dragons on a generally slightly lower plane. Vertical sides have five Chinese cloud scrolls with the edge of a kind of sunflower throwing out five long curving streamers. Background to clouds, similar to that of dragons. Corners of torus have finely designed peonies in profile.

The carving is in typical Chinese style such as used in lac-carving. The bold curve of contour of moulding conveys a fictitious impression of high relief in the carving. The work is pierced through and hollowed away at back in a semi-tubular form, similar to "Decorated" Gothic work.

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OBJECTS FROM RUINED STŪPAS AND SHRINE EAST OF SO-YANG-CH'ENG (So. a.)

Pottery.

So. a. 003. Fragment of roof-tile with patterns in relief; glazed green.

So. a. 004. Arm of small stoneware figure of Buddha; white, glazed translucent pale green.

So. a. 005. Fragment, moulded; pattern unintelligible; glazed green.

Stucco.

So. a. 008-0010. Clay models of stupa with inscription round base.

OBJECTS FROM WAN-FO-HSIA (Wang.)

Stucco.

Wang. 002-004, 006, 007. Plaques showing Buddha seated between two caityas, all from one mould; clay mixed with fibre; traces of paint.

OBJECTS FROM CH'IAO-WAN-CH'ENG (Chiao.)

Pottery.

Chiao. 01, 02. Fragments of roof-tiles, semi-cylindrical with circular outer ends (antefixæ) moulded as grotesque mask; grey.

Chiao. 03. Fragment of roof-tile as preceding but different face; buff.

Chiao. 05. Fragment from rim of vessel; three rivet-holes; grey.

Chiao. 06, 07. Two hollow bricks from "string" ornament in low relief; design: large open peony with stem and leaves; pearls along lower border; grey.

Chiao. 08, 09. Two hollow bricks as preceding but with sunflower (?) design.

Chiao. 010. Fragment of hollow brick as preceding but probably different flower motif.

OBJECTS FROM HEI-SHIU-KUO (Kan-chou.)

Pottery.

Kan-chou. 002, 003. Fragments of porcelain; glazed celadon green on one side; incised lines on 002; Sung dynasty.

Kan-chou. 004, 005, 007. Fragments of stoneware; traces of white slip and glaze, mostly creamy-white, but 007 brown on one side; Sung dynasty.

Kan-chou. 008. Fragment of stoneware, slightly ribbed; glazed dull black; Chinese.

Kan-chou. 009. Fragments of stoneware bowl; grey; glazed green-black; Sung dynasty (?).

Kan-chou. 0010. Fragment of stoneware; grey; glazed black.

Kan-chou. 0013. a-k. Ten fragments of porcelain painted in under-glaze blue in floral and geometrical patterns; mostly Ming.

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Kan-chou. 0020-0025, 0027, 0028. Fragments of porcelain bowls; 0020, painted in bands of under-glaze blue; 0021, glazed celadon grey-green; 0022, floral pattern in blue; 0023, floral pattern and dragon; blue; 0024, blue scroll pattern; 0025, floral pattern in blue; 0027, floral design in blue; 0028, floral scrolls in blue. All Ming dynasty.

Metal.

Kan-chou. 0012. Iron hook.

OBJECTS FROM SHRINES AT MA-TI-SSŬ.

Wood.

Ma-ti-ssu 010. Carved panel. Three boards of unequal width, 1 inch thick, are butted together and held by two battens at back about $1\frac{1}{8}$ inches thick and $2\frac{1}{8}$ inches wide, fastened by sliding into shallow dovetail groove, the edges of battens being cut to fit dovetail. To the board thus formed are applied a carved border of bold "torus" section, an inner flat border and in a row along middle board of panel, four bosses carved with Chinese symbols.

Torus is mitred at corners and has slightly projecting continuous flat members on each side, by which it is fastened to board by wrought-iron nails. Flat inner border fastened by means of wooden dowel-pins. Bosses have chamfered border and are fastened to board by means of iron nails. The whole is oblong, the short edges vertical.

Upper and lower borders are carved with a group of five (upper) and three (lower) mountain peaks as the central feature, the central peak supporting an uncarved boss or disc. Right and left a sinuous snake-like, three-toed dragon with almond-shaped hairy tail, energetically striding away from centre, but neck and head recurved towards centre. Head was carved in separate piece and in each case is missing, the dowel only remaining. Body scaly.

Floral scroll-work of trefoil leaves in profile forms a background to dragons on a generally slightly lower plane. Vertical sides have five Chinese cloud scrolls with the edge of a kind of sunflower throwing out five long curving streamers. Background to clouds, similar to that of dragons. Corners of torus have finely designed peonies in profile.

The carving is in typical Chinese style such as used in lac-carving. The bold curve of contour of moulding conveys a fictitious impression of high relief in the carving. The work is pierced through and hollowed away at back in a semi-tubular form, similar to "Decorated" Gothic work.

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Inner border about $\frac{3}{8}$ inches thick, flat, and carved with V-cuts into very accurate Chinese fret. One long side (top) only preserved. On fret are two crouching hares facing each other at a distance apart of one third the length of border; carved in separate pieces, rather flat and pegged on, each with three wooden pins. Corners masked by separately carved peony (one missing) pegged on. The four circular bun-shaped boses along centre are pierced like torus and the Chinese characters have background of clouds.

Traces of red paint in protected parts. Strips of wood with channelled front edge, frame the whole on two sides.

Stucco.

Ma-ti-ssu 01, 02, 04-06, 08, 09. Seven relief plaques; oblong; from walls of cave-shrine. 01, 02, seated Bodhisattva in *dhōti* and stole, on lotus with lotus-petal-shaped vesica; three discs on field of vesica, one behind head and one on each side, these latter probably Sun and Moon. 04-06, in Gandhāra style and show Buddha seated on *padmāsana* supported by kneeling elephants under pillared and straight-lintelled shrine. 04, shows detail of lotus base and capital to pillars, double rectangular abacus and relief of two deer, facing each other across flaming jewel (?) on top of straight crenelated roof at angles of which are birds. This probably symbolises the First Sermon in the Deer Park at Benares. Remains of red paint on all, and traces of gilding. All badly discoloured.

Textile; painted.

Ma-ti-ssu 011. Strong canvas; subject: Buddha enthroned holding bowl from which flames appear to issue. Right and left are standing attendants, each carrying a similar bowl and a staff with loose rings and vajra as insignia. The pillar on each side of Buddha is composed of an elephant, a lion and a man in black top-boots wearing a mask; above, cloud-scroll of elaborate type, from which develops a dragon on each side and a blue jewel. Immediately over centre of main figure, a flying Garuḍa-like creature.

Bodhisattvas and demons are lavishly distributed over general ground, with a back ground of blue sky and clouds. Poses of figures are dramatic and well drawn. Several types of head-dress are worn.

Two or three (?) Tibetan characters recur frequently on *āsanas* and halos. On central *padmāsana*, a character seems to have been written on each petal. Final painting has not followed original sketch, which has come through in places. All flesh is gilded except that of demons. 4 feet 4 inches by 2 feet $5\frac{1}{2}$ inches. Much worn on surface.

Kan-chou to Sokho-nōr.

Following the course of the Kan-chou river from Kan-chou in a NW. direction for about 160 miles and then bearing N., Mao-mei is reached about 125 miles from Kan-chou. Here the river becomes the Etzin-gol and continues its course in a NNE. direction. KHARA-KHOTO is near the river and 135 miles NNE. from Mao-mei. ADUNA-KORA is close to Khara-khoto, about 3 miles NW. of K. K. Fort. The Salt lake Sokho-nōr is about 40 miles N. of Khara-khoto and the site E. G. is S. of that lake.

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OBJECTS FOUND AT KHARA-KHOTO AND NEIGHBOURING SITES. (K. K.)

Found among Debris and Refuse Heaps within town walls, Khara-khoto

Pottery.

K. K. 021. Foot of vessel; hard, buff; partly glazed brown; potter's mark at bottom.

K. K. 023. Base (?) of vessel in two pieces; extremely fine, buff; glazed, thin buff glaze.

K. K. 024. Fragment from foot and bottom of bowl; porcellaneous, ivory colour; colourless glaze.

K. K. 025, 026. Fragment in two pieces from rim and wall of vessel, porcelain; celadon grey glaze; low relief pattern inside.

K. K. 027, 029. Fragments; hard grey celadon (?); faint pattern in relief inside.

K. K. 028. Fragment; buff, glazed.

K. K. 035. Whorl, with large hole.

K. K. 036. Fragment from rim of small bowl; porcelain, semi-translucent; glazed, starch-blue.

K. K. 037. Fragment from rim and side of bowl; porcelain; glazed pale olive; shallow ribs outside.

K. K. 038. Fragment from lower part of bowl; white; glazed pale green; incised curved lines inside.

K. K. 045. Fragment; porcelain-like, but rather spongy; glazed pale blue-green outside; pierced with pointed quatrefoil, painted blue outside.

K. K. 046. Fragment from vessel similar to T. XLVII. 09.

K. K. 047. Fragment from vessel; porcelain-like; glazed very pale olive-green; decorated with ornament in blue.

K. K. 048. Fragment from vessel; white; glazed starch-blue.

K. K. 0104. Fragment; grey-buff, glazed delphinium-blue; crackled.

K. K. 0105. Fragment from rim of bowl; porcellaneous; trace of incised design; white.

K. K. 0108. Fragment; porcellaneous, white; glazed jade-green.

K. K. 0109. Fragment, red to grey; glazed green-blue.

K. K. 0110. Fragment, thick, dark grey; glazed dull light blue.

K. K. 0111. Fragment of bottom of bowl with ring-foot; thick, fine hard, grey; glazed bright blue with purple splash on inside.

K. K. 0112. Fragment of bowl with low ring-foot; fine, hard, buff; glazed faint green inside and with group of nine olive-green spots at bottom; outside, unglazed.

K. K. 0113. Corner of glazed tile with raised rim and design painted in green and grey on rust-red ground; one edge black with sgrafitto scroll.

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K. K. 0114-0116. Fragments of vessels; fine, hard, buff; glazed dark olive-brown; sgrafitto decoration through outside glaze; *cf.* K. E. V. 020, K. E. X-XI. 01.

K. K. i. 01. Fragment of roof-tile; grey; with Chinese characters in black on outer side.

Glass.

K. K. 011. Glass bead, spherical, white.

Metal.

K. K. 07, 08, 017, 076, 079. Fragments of bronze sheet; 079, has punched ornament on one side.

K. K. 015, 057, 059, 067. Fragments of bronze; 067, a flat tag with rivet marks on back.

K. K. 016. Iron hook.

K. K. 018. Fragment of iron dagger-blade.

K. K. 019. Iron staple.

K. K. 020. Tang and part of blade of knife (?).

K. K. 022. Lead disc.

K. K. 055. Bronze ring.

K. K. 056. Bronze tag or part of clasp. *cf.* L. A. 0056.

K. K. 058. Cast iron band.

K. K. 060. 061, 064, 065. Iron nails and fragments.

K. K. 066, 077. Fragments of iron knives, with long thin tang.

K. K. 068. Silver (?) rod; perhaps for applying kohl to the eyes.

K. K. 078. Iron nail or chisel.

K. K. 080. Fragment of iron saw; double-edged, one side finer than the other.

K. K. 081. Bronze rod, ornamented with four-ribbed meander in relief.

Stone.

K. K. 09, 010. Fragments of flint.

K. K. 012. Fragment of green stone.

K. K. 030. Miniature axe-head, grey.

K. K. 064. a. Jade bead, spherical.

Wood.

K. K. 01. Comb in two pieces; well made.

K. K. 013. Inscribed tablet coated with black lac; on each side are two Chinese characters cut through the lac so that they show the colour of the wood.

K, K. 074. Knife-handle, split and bound round with cord; evidence of metal ferrule to secure blade.

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K. K. i. 02. Lacquered tray or bowl; of coiled cane, covered with paper and lacquered red; bad state; contained a strainer of canvas stretched on bent twig.

K. K. iv. 01. Lacquered bowl, saucer-shaped, with deep ring-foot; lacquered inside and out, fine crimson. Bottom, black with three lines of Chinese characters freely written in red. Dr. Lionel Giles says "the Chinese characters in the first and third columns read, 'Made by Chang Shan-fu of Wu-chōang in the *hsin-ssu* year'. The middle column contains two Mongolian names, Li g'i, followed by a signature in the form of a monogram".

Construction: round a central flat wooden disc are successive rings of flexible wood or cane with which curving rim is built up. Over this a coat of lacquer or paint; then a layer on back and front of open canvas made of a thin string warp and flat ribbon-like weft. Over this are successive layers of lacquer, the final being of the colour required and well polished; about two-fifths of dish are missing.

Stucco.

K. K. 090-092, 094-097, 0100. Votive model stūpas, with inscriptions in Brahmi characters.

Textiles.

K. K. 02, 04, 06. Fragments of silk and cotton including three pieces of damask.

K. K. 0121. jj. Fragment of fine canvas, painted, showing left eye and brow of Buddha face painted in encaustic (?) colours.

K. K. 0152. ee. Piece of thin woollen (?) cord, tightly twisted and elastic.

K. K. iii. 01. (E. of). Fragment of lacquered silk gauze in two pieces with very even and open mesh, coated with pigment and dried under pressure, producing the appearance of finely pierced metal sheet.

K. K. iv. 02, 03. Fragments of plain silk; 02, tied in a bow.

Paper.

K. K. 03. Fragment with block-print border and part of two Tibetan characters; two plain pieces.

K. K. 0119. w. Fragment with black impression of part of block showing a lotus leaf and scroll.

K. K. 0199. v. Fragment with part impression of two blocks, one red, the other black; Chinese charm; Chinese seal impression on back.

Miscellaneous.

K. K. 069, 070. Fragments of black slag.

K. K. 085. Coral; rough lump worked into buckle or slide and carved on part of surface with Chinese cloud-scrolls.

K. K. iii. 02. Fragments of sheaf of corn.

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From temple K. K. I. (Within the town walls.)

Pottery.

K. K. I. 06, 07. Fragments of leaf and scroll-work, modelled in high relief, red; glazed brown and green.

K. K. I. i. 01, 02, 012, 013. Fragments of antifixæ roof-tiles; hard; grey; 01, with well designed gorgon head.

K. K. I. i. 03. Hollow finial (?); red, glazed dark green.

K. K. I. i. 04. Fragment of spout (gargoyle) in form of grotesque animal head; snout, red; glazed green and yellow.

K. K. I. i. 06-011, 016. Fragments similar to K. K. I. 06, 07.

K. K. I. i. 014. Head of monster, perhaps gable-end or gargoyle; grey; unglazed.

K. K. I. i. 015. Fragment of architectural finial with floral design in relief.

Metal.

K. K. I. 05. Fragment of copper (?) wire ornament; part of ear-ring or pendant.

Wood.

K. K. I. 042. Finial or stūpa; lathe-turned.

K. K. I. 043. Fragment of stool-leg (?) or similar object.

K. K. I. i. 05. Capital or base; partly painted grey-green with yellow edges. *cf.* similar, miniature blocks, Ast. iii. 4. 024-026.

Stucco.

K. K. I. 08, 010, 012, 0203. Fragments of hands, modelled and painted. 08, 010, pairs of hands; 08, shows backs, 010, palms. 012, 0203, fragments of fingers, gilded over white paint; straight; long nails, conventional treatment, gilded over red paint.

K. K. I. 09, 013, 020, 031, 032, 064, 066, 085, 096, 0112. Fragments of snakes, grey, spotted with black. 064, two entwined.

K. K. I. 011, 016, 021, 025, 026, 033, 089, 0125, 0127, 0143, 0226. Fragments of drapery painted and gilded. 033, probably from long open sleeve. 0125, cinctures from knot similar to 0143.

K. K. I. 014, 023, 039, 044, 045, 049-053, 061, 062, 065, 070, 0162-0165, 0167-0183, 0186-0194, 0196, 0197, 0201, 0216, 0227-0229. Fragments of cable ornament composed of four strings of pearls twisted together rope-wise, with rosettes and lozenge-shaped jewels at intervals. *See* K. K. I. 022, 028, etc. Richly gilded; they are probably from garlands (*hrinmals*) hung round the neck of Buddhist figures as found in many stone figures from Gandhāra and elsewhere.

K. K. I. 015, 041, 081, 0108, 0132, 0144, 0145. Colossal fingers, gilded over red paint. 015, crooked, with string core. 041, two upper joints. 081, slightly bent; string core. 0108, two top joints slightly bent. 0132, crooked. 0144, strongly crooked.

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0145, nearly straight. In all the nail is trimmed below level of finger-tip. Root of nail marked by prominent roll.

K. K. I. 017, 019, 024, 074. Fragments of convex band ornament; scroll between borders of plain and pearl bands; gilded.

K. K. I. 018. Ornament; flaming jewel; gilded.

K. K. I. 022, 0202. Rosettes, gilded; from pearl garland. *See* K. K. I. 014, etc. 022, plain jewel centre surrounded by pearls; outside, six petals surrounded by plain band edged with pearls. 0202 has eight petals and no pearls to outer ring. Finely burnished

K. K. I. 027, 080, 0102, 0122, 0123, 0131. Fragments of ornaments of pyramidal form; two heart-shaped jewels, one above the other, the lower (larger than the upper) rests on row of pearls. On either side are symmetrical, branching scrolls filling side spaces of triangle and centre above hearts; gilded. 080 and 0123, very fibrous and flexible; well burnished.

K. K. I. 028, 078, 0187. Lozenge-shaped jewels from pearl garland. *See* K. K. I. 014, etc. Rectangular centre surrounded by pearls with a heart-shaped jewel at each side and a cabochon at the point of each heart; scrolls spring from each corner of the rectangle; gilded.

K. K. I. 029, 056, 090, 0115, 0119, 0141, 0199, 0205, 0206, 0222. Fragments of pearl straps with plain edges and peony rosette ends; from pendent tabs hanging from carcanet of figure; gilded. *See* also K. K. I. 037.

K. K. I. 030, 0107, 0140. Fragments of armlets; pattern composed of a triple band, one section being pearls. A five-petalled rosette is attached to plain sections. 0107 is attached to fragment of arm; gilded.

K. K. I. 034, 0128. Head-dress; flat, mitre-shaped frame within which swags of hair loosely plaited, the outside bordered with hanging locks; wooden core projects below for attachment to head of figure. 0128 smaller than 034.

K. K. I. 036. Fragment of demon head with bulging eye.

K. K. I. 037, 038, 058. 037 and 058, part of breast of figure, convex, painted to imitate tiger-skin and showing remains of two pendent bands with pearl ornament in relief. 038 was attached to back of the above two pieces and was an earlier work covered by a later layer.

K. K. I. 040, 054, 091, 0105, 0106, 0157, 0204, 0217, 0218. Locks of hair from figures; long, slightly waved and voluted at ends; grey or black over blue; traces of gold.

K. K. I. 046. Fragment of colossal foot, hollow and fibrous; remains of gilding.

K. K. I. 047, 048. Fragment of lotus petals, ornamented with relief scroll-work at point; 047, red; 048, red with green edge.

K. K. I. 057, 059, 060. Fragments of irregular shape; gilded.

K. K. I. 063, 077, 084, 0161, 0185. Rosettes from pearl rope K. K. I. 014, etc.; plain central circular jewel surrounded by pearls and an outer ray of seven heart-shaped jewels.

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K. K. I. 067. Fragment from breast of figure, part gilded, part red, a pearl band dividing the parts.

K. K. I. 068. Back of figure of Ho-shang. *See* K. K. I. 0142.

K. K. I. 069. Fragment of demon head with bulging eye and over-hanging brow.

K. K. I. 071. Fragment with three flattened sides.

K. K. I. 072, 086. Fragments of pearl band.

K. K. I. 073, 0129, 0130, 0207. Fragments of tiara (?), gilded; pearl band and two plain bands above, supporting a row of palmette ornaments.

K. K. I. 075, 0126, 0160. Fragments of "caltrap" mail, gilded. *Cf.* K. K. II. 0163 and 0197.

K. K. I. 076. Forearm upraised and bent at elbow; pink; pearl bangle, gilded.

K. K. I. 083. Boat-shaped object; red.

K. K. I. 087, 0146-0150. Rosette, gilded. 087, five petals; impression of scroll band at back. 0146, peony in profile. 0147, eight trefoil petals surrounded by whirling petals; flask-shaped pistil. 0148, elliptical jewel surrounded by pearls. 0149, lotus. 0150, elliptical marigold centre surrounded by four palmettes. All well modelled.

K. K. I. 088. Cord tied in loop; blue.

K. K. I. 092-095, 0163, 0208-0215, 0221. Fragments of large pearl string; gilded. 0163 with jewel attached.

K. K. I. 097-099, 0110, 0111, 0134, 0135. Fragments probably from parts of body; gilded.

K. K. I. 0100. Fragment of ear-lobe; gilded.

K. K. I. 0104, 0116-0118, 0136, 0137, 0139, 0196. Fragments of pendents similar to K. K. I. 029, etc., but curved towards lower end; gilded; probably hung from carcanet right and left of centre straight pendents such as on K. K. I. 037, etc.

K. K. I. 0109, 0219-0220. Colossal toes, painted red and with gilded nails; character of nails similar to that of fingers K. K. I. 015, etc.

K. K. I. 0113. Fragment of curved band with raised edges.

K. K. I. 0114. Fragment of hair, painted red.

K. K. I. 0120, 0138. Fragments of tongues of flame (?). 0120, red; 0138, crimson and grey with gold on sides.

K. K. I. 0121. Fragment of horse with saddle of Eastern type, long saddle-cloth and large stirrups. On back of neck, a long elliptical covering of overlapping longitudinal strips (armour ?). Modelled on wooden core.

K. K. I. 0142. Front of figure of Ho-shang, dressed in loose robe thrown back, exhibiting his proportions: half reclining, with left arm on sack. Face, fat, humourous and laughing, with open toothless mouth. Lower part missing. For back *see* K. K. I. 68. A good piece of modelling, cast hollow in very fibrous clay; traces of colour; surface badly perished and the whole soft and flexible.

K. K. I. 0151-0156. Pyramidal spirals of hair from Buddha head, blue.

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K. K. I. 0158-0159, 0225. Miniature stupas.

K. K. I. 0195. Mask of Buddha head; broad and high flat forehead; small features, eyes closed and oblique. *Ūrṇā* and *uṣṇīṣa*, with red jewel in front of blue hair; very fibrous clay, gilded and retaining inside impression of canvas.

K. K. I. 0198. Bunch of stems modelled in the round; very fibrous and flexible.

K. K. I. 0223, 0224. Fragments of plain channelled bands; convex. 0223, gilded over red paint. 0224 has remains of bright blue over red.

K. K. I. i. 017. Human hand grasping small object (missing); well modelled; dark red; two wooden pegs at wrist for attachment.

Textiles.

K. K. I. 01. Fragment of figured silk; floral pattern in salmon-pink, green and blue.

K. K. I. 02. Tangle of buff silk thread.

K. K. I. 03, 04. Two fragments of plain silk. 03, yellow-green; 04, faded brick colour.

Textiles; painted.

K. K. I. i. b. 01-05. Fragments of painted silk. 01, a mass of fragments from which has been reconstructed the hare and churn under tree, representing the moon. 02, several fragments containing parts of a face, two-thirds life-size. 03, fragment of banner; at l. p. head and shoulders of celestial figure in tall head-dress; at r. p., a Bodhisattva; at top, one or two apsaras floating on clouds. All delicately drawn but faded and torn. 04, fragment of banner; design too faded to make out. 05, many fragments from which a life-size man's face has been reconstructed. Good type of work; perhaps from a shroud or tomb hanging. *See* Ast. ix. 2. b. 012.

OBJECTS FOUND IN CENTRAL CHAPEL OF SHRINE K. K. I. ii. AND AMONG REMAINS OF OTHER SHRINES WITHIN TOWN K. K. I.

Stucco.

K. K. I. iii. 01, 02, 04. Clay; 01-03, lotus petals probably from *padmāsana*: 01, painted pink, shaded; white inner and yellow outer borders. 02, similar but blue. 04, fragments of antler painted white with black markings.

K. K. I. x. 01-05. Clay lotus petals variously coloured; between border and centre is a raised rib running all round and turning into symmetrical flame-scroll at centre.

K. K. I. x. 06, 07. Clay rosettes in low relief, gilded; eight petals with inner ring of pearls.

Textiles; painted.

K. K. I. ii. 01. Fragment of thin canvas; part of border (?) containing seated Buddha figure in teaching pose seated on straight *padmāsana*. Horse-shoe *prabhavali*; flesh, pink; hair, black: contours black over dark pink. Three garments; under, light

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(perhaps white); robe, vermilion; stole, yellow. *Prabhavali*, vermilion with green centre; nimbus, green. Spandrils, green with vermilion flowers. Canvas is carefully primed and water paint is used. *Reverse:* primed grey, perhaps mixed with wax or oil. A few Tibetan characters in vermilion. The whole rather Tibetan in style.

Paper.

K. K. I. ii. 02. bb, dd. Fragments of block-prints. (*bb*) leaf with Hsi-hsia text and row of seated Buddha figures across top and centre; buff and strong. (*dd*) block-print of part of head-dress (?).

OBJECTS FROM RUINED SHRINE K. K. II.

Wood.

K. K. II. 01. Carved figure of standing Buddha in *abhaya-mudrā*, on lotus; head and hands missing. Upper robe, red; under-garment at breast and back, green; under-garment at legs, purple. Round neck a gold carcanet; neck and feet gilded. Pose, dignified and recalls XIIth century Gothic statuary.

K. K. II. 076. Fragment of weighting-stick from painting with remains of paper adhering.

K. K. II. 0161. Terminal ornament; long, triangular, carved roughly in low relief with symmetrical cloud-scroll, both sides alike; traces of red and black colouring on one side.

K. K. II. 0162. Leg of small stand, curved like elephant's trunk; painted red.

K. K. II. 0216-0218. Fragments of uncertain application; 0216, box-lid (?), concavo-convex, with traces of red, grey and green paint. Four dowel-holes with three dowels in position near corners. 0217, rectangular, painted green and yellow on one side, showing underneath where chipped, faint black Chinese characters. 0218, rectangular, painted one side black with red and white blossoms.

K. K. II. 0273. c. Fragment; a thin flat strip with opposite edges symmetrically shaped like two crescents back to back with disc at centre.

K. K. II. 0307. Stick, roughly trimmed and wrapped with silk waste and many layers of torn Chinese MSS.

K. K. II. 0312. Carved relief in form of small pointed flame on which is carved a male deity (Śiva ?) standing over two sprawling monsters. He wears *dhōti* and garlands of skulls; carries a triple-headed skull mace; remains of red and black paint.

Stucco.

K. K. II. 082, 085, 093, 0160, 0173, 0198-0201, 0224, 0230. Clay lotus-petal fragments. 082, petal ornamented in relief, as K. K. I. 047. 085, double row of petals with suggestion of relief ornament on each petal. 093, two petals with a smaller one overlapping them; dark blue bordered with lines of salmon-pink, pale yellow and dark blue. 0160, petal with convex surface and keel down centre; painted in bands of grey of vary-

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ing shades. 0173, petal, convex with strongly marked keel; blue border, central floral scroll in yellow, pink, green, blue and white on dark red. 0198-0201, petals slightly convex painted in grey bands of varying shades, dark at centre of petal and light at edges. 0224, *padmāsana*, showing two rows of petals, one turned upwards and the other downwards. Each petal has raised rib near edge with scroll relief ornament at tip; petals are coloured with yellow, red, green and grey. 0230, *padmāsana* from standing figure of which the right foot remains; single row of pendent petals seems to have been removed, leaving only their impress in the clay; the centre (seed-table) painted black with yellow rings; hole in middle where figure has been broken away.

K. K. II. 083, 091, 092, 097, 0107, 0124, 0167, 0171, 0182, 0191, 0202, 0203, 0229. Fragments of drapery from figures. 083, wavy edges of flattened tubular fold, blue. 091, 092, "butterfly" bow; grey-blue. 097, hanging corner with tubular folds, green and red. 0107, blue cloak with borders crossed at neck decorated with half-palmettes in blue and red, outlined white on red ground bordered with red and gold; loose white drapery bordered gold issues from V at neck; from left shoulder, loose drapery in grey lined with red. 0124, from large figure; red with white or pink stole hanging down it. 0167, frill, green with gilded edge, bound at top with pink turban-like twist. 0171, red. 0182, blue, with two channels (folds) running down it. 0191, green, edged gold; attached to it, a smooth convex portion painted with floral ornament. 0202, 0203, free and elaborate folds, painted green with red lining. 0229, gilded, surface much defaced.

K. K. II. 084, 098, 0113, 0150, 0163, 0174, 0195, 0197, 0228. Fragments of armour from figures. The cuirass or lorica seems to have been made of small metal sections having somewhat the form of a caltrop, which were linked together in some way not clear from the stucco models and was flexible. In the centre of each section seems to be a rivet or stud and the limbs radiating from it were sometimes reeded. The same kind of mail occurs as a sort of puffing in panels on the brassart or arm-piece. The cuirass has a rigid frame of metal or lacquered leather. The flexible "caltrop" portion is always gilded in these specimens. 084, 0113, 0150, 0195, 0197, 0228, are reeded. 098, 0163, 0197, have part of the rigid frame, painted red; 0163, with shoulder knot. 0174, has neither reeds nor central projecting rivet. This mail appears on some of the silk paintings from Ch'ieng-fo-tung. *See* p. 216 *sqq.*

K. K. II. 086, 0141, 0158. Human ears. 086, red, over white priming; lobe normal, pierced. 0141, pink, with black hair curving round lobe. 0158, edges damaged and lobe missing; gilded.

K. K. II. 087. Fragment of band with red and green chevrons on white.

K. K. II. 088, 094-096, 0114, 0180. Fingers. 088, with long projecting nail, as K. K. I. 012; gilded. 094, short nail, gilded over pink. 095, long nail. 096, nail, medium length; under-side and nail red; back, blue. 0114, fragment, gilded. 0180, fragment, recurved tip; gilded.

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K. K. II. 090, 0135, 0149, 0152, 0206, 0207, 0227. Ornament in relief. 090, diverging flamboyant scrolls beside lotus centre; gilded over white; well modelled; probably part of jewel. 0135, part of "sunflower" rosette, pink, with reversed scrolls, pink, blue and green rising from behind. 0149, amulet or jewel; scrolls and half-rosette. 0152, jewel, gilded. 0206, part of similar ornament. 0207, central upper part of similar ornament. 0227, pair of dividing bracts. No colour.

K. K. II. 099, 0137, 0225. Fragments of hands. 099, left hand clenching white double cord (?); back, blue; palm, red. 0137, right hand, open; fingers missing; pink. 0225, hand, with one finger extended; nail gilded; other fingers broken or missing.

K. K. II. 0100, 0125, 0134, 0136, 0138, 0148, 0166, 0183. Fragments of architectural (?) detail, painted with floral ornament. 0100, surface convex, part raised above remainder. 0125, suggests part of vaulted ceiling; surface, very fibrous clay of the texture of loose felt; two long octagonal "coffers" divided by gold band; edges of coffers are in shaded bands of grey, black and white to suggest mouldings. Field of coffers, bright red, on which is very good grisaille floral ornament, in two tones of grey and white, outlined red. 0134, 0136, 0138, 0148, 0166, 0183, similarly painted.

K. K. II. 0101. Fragment of forearm and hand of colossal figure of warrior; sleeve (brassart) close-fitting, red, with panel of gilded "caltrop" mail projecting on each side. Modelled round wooden core, with iron pin at elbow for attaching to core of upper arm and iron wire core of fingers (missing); hand, pale flesh or white.

K. K. II. 0104. Mask of torso with single close-fitting garment passing below left arm; flesh, gilded; garment, red.

K. K. II. 0108. Figure fragment, seated cross-legged, slim and tall; dressed in red tunic, blue gorget (armour), white loin-cloth; wooden core.

K. K. II. 0109, 0111, 0121-0123. Miniature stupas.

K. K. II. 0112, 0144, 0155. Fragments of feet; 0112, front half of sole yellow. 1044, toes and front part. 0155, sole; gilded.

K. K. II. 0115, 0128, 0129, 0131, 0181, 0204, 0205, 0212. Rosettes, gilded.

K. K. II. 0116, 0140, 0176, 0177, 0179. Leaves in low relief on stick cores; spotted yellow and red.

K. K. II. 0117, 0185, 0274. hhh. Face masks. 0117, Buddha; pink, hair black. 0185, Buddha; long oblique eyes nearly closed; eye-balls separately moulded and placed in position from back; *tilaka* inserted from front; well modelled; yellowish-pink with green shadows (perhaps discolouration): eyebrows black. 0274. *hhh*, nose, part of upper lip, eyes and forehead; rather flat and stylised.

K. K. II. 0118, 0127. Animal skull.

K. K. II. 0126, 0164, 0168. Fragments of heads. 0126, negro, with Arab headdress; grey. 0164, left side of face with smiling mouth; pink. 0168, part of scalp; close "snail-shell" spirals of hair, applied separately.

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K. K. II. 0130. Flattened cloud-scroll; gilded.

K. K. II. 0132, 0192. Fragments in form of coil of cord. 0132, single, grey and red. 0192, two strands looped together and ends hanging free; brown.

K. K. II. 0139, 0213-0215. Panels and fragments; oblong; square at one end and indented at the other; with palmette and scroll-work in low relief; yellow; probably parts of border.

K. K. II. 0145, 0159, 0170. Fragments of bodies of leopards in low relief. 0145, hind half. 0159, 0170, fore part.

K. K. II. 0146, 0153. Fragment of coronet-shaped ornament; a red band supporting a row of gilt pearls from which rise green scrolls.

K. K. II. 0147. Fragment of pearl band bordered by plain fillets; gilded.

K. K. II. 0151. Fragment, pink, with Chinese characters.

K. K. II. 0154. Fragment, painted in grisaille on red ground; probably part of K. K. II. 0125.

K. K. II. 0156. Monkish figure, seated; single robe, green, edged red; covering hands and feet; head, shaven; flesh, pink.

K. K. II. 0169, 0223. Fragments of arms from figures. 0169, flexed; hand lost; yellow. 0223, right arm, flexed; hand, clenched (hole drilled for spear ?); white sleeve with black cuff.

K. K. II. 0175. Warrior (?) fragment; red coat, bordered gold; loose red *dhōti* and white girdle; legs, arm and head lost.

K. K. II. 0184. Demon's face; fragment showing eye and part of cheek; flesh, yellow spotted red.

K. K. II. 0186, 0187, 0189, 0210, 0221. Face-mask fragments; gilded. 0186, right side above chin, lost; left eye oblique and nearly closed. 0187, well-shaped features; left side, eyes and ears missing. 0189, type of 0185 but in miniature; black hair, red lips; left half missing. 0210, with rope of blue hair on one side. 0221, exactly as 0185 but right half missing.

K. K. II. 0188. Head, female, wearing tiara; hair at back, in loose flat bands, interlacing; on top, plume-like, with volutes at sides; flesh, pink, hair, black.

K. K. II. 0190. Head and neck of snake or dragon; mouth wide open showing short teeth in upper jaw; pink.

K. K. II. 0193. Terminal knob; pear-shaped; pink.

K. K. II. 0194. Band, thin; crimson with floral pattern in white.

K. K. II. 0208. Border fragment from halo (?) or head-dress; pearl and flame bands, outside plain fillet; left side missing.

K. K. II. 0209, 0211. Fragments of painted border of same type as K. K. II. 0100.

K. K. II. 0219. Fragment with convex surface, gilded.

K. K. II. 0220. Fragment rounded and painted bright pink; part of surface shows mass of flowers or bunches of drapery drawn in black ink over gilding.

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K. K. II. 0222. Seated figure, fragment; back of lower end of leg covered with pink drapery; ankle, heel and part of upturned sole of foot.

K. K. II. 0226. Shell of male torso in tight crimson doublet; with blue stole crossing from left shoulder, ends intertwined on breast; blue girdle tied tightly round hips with white overlap and supporting red *dhōti*.

K. K. II. 0308. Fragment of figure almost entirely of paper and canvas; part of torso (?); *cf.* for material, K. K. I. 068.

Textiles.

K. K. II. 02, 04-07, 012, 017. a, b, 021, 023, 025-027, 031, 038-40, 046-9, 051, 070-3, 079, 0230. vv, 0232. ii. i, ii, 0233. a. iii, iv, 0236. ccc, 0239. xxx, 0240. rr, 0244. a. xxvi, 0244. a. xxviii, 0254. r, 0269. k, 0270. ww. ii, 0275. a. v-vi, 0275. a. xv, 0276. ddd. i, ii, 0276. eee. ii, 0277. ttt, 0280. b. ix-xiii, 0283. a. xxv, 0285. b. xii, 0285. b. xiii, 0304. t-v. Fragments of plain silk, blue, yellow, brown, green and black; of various textures.

K. K. II. 09. Fragment of plain silk; yellow; with Chinese characters in black ink.

K. K. II. 015. Fragment of silk damask; design obscure, but rows of swastikas, visible; Chinese characters in black ink.

K. K. II. 016. Fragment of printed silk; pink with rosettes in white "resist".

K. K. II. 018. Figured silk wallet; square when open; design: bunches of blue and yellow flowers on pink (?) ground; paper pasted on back to protect floating threads.

K. K. II. 019. Fragment of printed silk; design: rosettes in "resist"; buff.

K. K. II. 024. Silk banner head-piece; pattern: with spots in white, "resist", on crimson ground; edges bound with buff gauze; blue gauze streamers.

K. K. II. 030. Fragment of silk damask; design: lozenge diaper; faded blue.

K. K. II. 032. Fragment of "resist"-printed silk; rosette on crimson ground.

K. K. II. 033. Fragment of "resist"-printed silk; spot pattern of symbols on blue ground.

K. K. II. 034. Fragments of "resist"-printed silk; buff rosettes on crimson ground.

K. K. II. 036. Fragment of fine silk tapestry; several pieces sewn together; pattern: floral; shades of green and brown.

K. K. II. 037. Fragment of silk damask; pattern: floral sprig, *semé*.

K. K. II. 041. Silk threads in hank; blue and yellow.

K. K. II. 043. Silk wallet (?) similar to K. K. II. 018.

K. K. II. 044. Fragments of canvas, blue and buff, stuck together.

K. K. II. 045. Fragment of banner with two suspension-loops; part of cane stiffener in fold at edge.

K. K. II. 067. Fragment of silk appliqué band; narrow strip from fine dragon design in gilded canvas mounted on thin paper and applied to crimson corded ground, outlined with gold thread made of gilded paper twisted round a silk thread and couched on. *Cf.* quilted and embroidered carpet found by the Kozlov Expedition in Mongolia

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in 1924-25; see *Discoveries of the Kozlov Expedition*, W. P. Yetts, Burlington Magazine, April 1926.

K. K. II. 069. Fragment of silk gauze.

K. K. II. 075. Silk band and wooden weighting-piece; silk, printed by "resist" process, lozenge spots on crimson ground.

K. K. II. 078. Fragments of plain silk with canvas loop attached.

K. K. II. 0244. a. xxvii. Fragment of buff silk with printed small stars and flying birds in black; black stain on part.

K. K. II. 0244. a. xxix. Two silk fragments; one, gauze, pink, with buff spots reserved; the other plain pink.

K. K. II. 0260. w. Fragment of silk, embroidered; three layers; back, fine, plain; middle, ribbed; front, loose gauze, embroidered with floral design in white, green, blue and brown, worked in long feather-stitch through the three thicknesses.

K. K. II. 0270. ww. i. Fragment of hemp canvas from shoe (?).

K. K. II. 0274. jjj. Fragment of silk damask; pattern: obscure; dull yellow.

K. K. II. 0276. eee. i. Fragment of silk; damask; pattern: rosettes and hexagons, chequered; blue.

K. K. II. 0276. fff. Fragment of strong canvas in form of tube.

K. K. II. 0277. iii. Miniature silk banner with triangular head-piece and streamers; printed with a diaper of triangular spots placed point to point so that a hexagonal space is formed between each group of six; in each space, a rayed circle and dot; printed in yellow-brown.

K. K. II. 0282. b. xiii, xiii. a, xiv. Three fragments of silk; *b. xiii*, plain, blue. *xiii. a*, white rosettes on blue ground. *xiv*, as *xiii. a* but with paper stuck to it with Hsi-hsia writing.

K. K. II. 0283. a. xxiv. Fragment of silk gauze woven with all-over floral pattern on ochre ground.

K. K. II. 0283. a. xxvi. Part of miniature silk banner with head-piece and streamers; head-piece and streamers powdered with printed symbols in grey outline filled in with brown. The centre is a damask of pearls set out in a lattice.

K. K. II. 0284. a. xxxii. Fragment of silk muslin printed with buff rosettes reserved on blue.

K. K. II. 0304. s. Fragment of silk with printed pattern of finely designed three-toed dragon and flames in pear-shaped spot, the "spots" rather widely spaced; impression, faint.

K. K. II. 0304. w, x. Two fragments of canvas; blue.

K. K. II. 0309. Fragment of plain silk; faded crimson; has been tied up to form a kind of bag.

K. K. II. 0310. a-h. Fragments of woollen and silk fabrics; (*a, b*) goat's-hair fabric with traces of pattern in needlework. (*c, d*) silk damasks. (*e*) plain silk. (*f-h*) silk gauze.

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Textiles; painted.

K. K. II. 08. Fragment of canvas with group of seven divinities kneeling on cloud scrolls in voluminous robes.

K. K. II. 010. Fragment of silk gauze with white lotuses, green leaves and brown stalks on yellow ground.

K. K. II. 011. Fragment of banner; an apsara floats vertically downwards with dish of fruit in left hand and flower in right towards central figure of which part of flame-bordered halo beneath canopy only remains.

K. K. II. 035. Fragment of canvas showing right arm, outline of hip and leg of figure against blue background; arm pendent with bangles at wrist.

K. K. II. 055. Fragment of silk canvas with patches of paint.

K. K. II. 066. Fragment of canvas banner; part of face and right shoulder of Buddha; petal-shaped nimbus; green background with black-line scroll-work.

K. K. II. 081. Remains of silk painting; standing Buddha figure with a young monk in attendance on each side.

K. K. II. 0228. u. Two fragments of coarse canvas with traces of pale blue paint.

K. K. II. 0230. ww. Fragment of canvas with painting of hand holding bowl surrounded by scrolls; green, buff and red.

K. K. II. 0233. a. v. Fragment of silk muslin with traces of paint; green and red.

K. K. II. 0233. a. vi. Fragment of coarse hemp (?) cloth, woven, with narrow lines of blue forming a check; patch of blue paint on one side.

K. K. II. 0236. ddd, 0237. aa. Fragments of hemp (?) canvas with light spots on blue ground.

K. K. II. 0239. www. Fragment of silk muslin with part of rough painting; red blue, yellow and pink; traces of gold.

K. K. II. 0240. pp-qq. Small fragments of silk muslin; traces of paint.

K. K. II. 0255. ff. Fragment of silk from lower edge of picture; part of large *padmāsana* with small foot, standing, to right; in lower right corner part of figure in yellow robe, seated on mat.

K. K. II. 0274. iii. Fragment of canvas with traces of ornament painted in blue and brown.

K. K. II. 0304. y. Fragment of canvas with traces of paint in blue, pink and yellow.

Paper; block prints.

K. K. II. 020, 056, 068. Fragments with rows of seated Buddha figures and text. 056 shows two rows of four each with a column of Chinese text under each figure and another column to left; below, a small pagoda. 068, figures are monk-like.

K. K. II. 029. Fragments; soft and woolly, with Chinese characters.

K. K. II. 0227. a,+II. 0253. c,+II. 017. s. iv. Several fragments of one subject. Seated Bodhisattva with Lokapālas and judges in attendance; below, a seated figure in

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full robes to left of whom is a kneeling woman; in foreground to left, a squatting elephant (of unnatural type); to right, two seated figures and an altar supporting a radiant lotus bowl; a kneeling figure to left of altar and a shaven monk approaching from right.

K. K. II. 0227. b, 0238. b, 0244. a. xv, 0265. f, 0274. b, 0294. b, d. Leaves, with rows of seated Buddha figures and Hsi-hsia text.

K. K. II. 0227. v. Fragment, showing, framed within an outline resembling the contour of a stupa supported on a *padmāsana*, a seated Buddha with a background of Tibetan characters. Right and left of upper part of "frame" is a pair of seated figures on clouds, with canopy over each. Symbols and floral forms are scattered about. Impression in dark buff.

K. K. II. 0228. q, 0295. cc. Fragments of Hsi-hsia texts decorated with rows of seated Buddhas; perhaps nude except for a kind of *upavita* passing over left shoulder and under right arm; or this may be intended for the upper edge of a close-fitting robe. The poses of hands vary. Separate *padmāsana* to each figure and floral ornament below; palmette between halos; good work.

K. K. II. 0229. a, 0239. c. Fragments of a scene which seems to include the adoration of a serpent or of a central figure, missing, in which the serpent plays a part. The scene is laid in a richly tiled terrace or court of a palace (heaven ?) and includes a number of Bodhisattvas and perhaps judges and courtiers. The details of costume, architecture, etc., are very interesting.

K. K. II. 0229. b, 0253. b. Fragments of leaves with Hsi-hsia text decorated across top with row of seated Buddha figures, in close fitting robes; right shoulder bare; face, broad; ears, long; tall, narrow *uṣṇīṣa*. Hands in various poses; below each figure, a column of text and between these, baluster-like columns supporting foliate double brackets, Baluster column is cut against a solid black background. All heads lost from 0253. *b*.

K. K. II. 0229. c. Fragment showing three celestial figures (Lokapālas ?) descending on cloud scrolls; appear to be chanting. Dressed in swaying *dhōtis* and fluttering stoles, and each has a distinguishing head-dress, but they are not easy to make out. At top left corner are two streams of light; at right top, a label with Chinese (Hsi-hsia) characters. Border at top, black with white vajra; torn.

K. K. II. 0229. qq. Leaf with five columns of Hsi-hsia on one side; on other, rough sketch of human figure.

K. K. II. 0230. Fragment with upper part of seated Buddha.

K. K. II. 0230. a. Fragment of leaf with vertical band of lotus scroll opening into ogee forms within which are standing figures; one, complete, dancing and playing cymbals.

K. K. II. 0230. b. Fragment of leaf with portion of circle; within circle, a branch of willow growing from slender-necked vase; this identifies the missing part within circle as being representation of Avaloketeśvara. To right are represented the deadly perils from which the righteous may be protected by invoking the power of Avaloketeśvara's

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name; two perils are shown: that from hail-stones and that from being pushed over a precipice by an enemy. The intended victim of the second Death is seen on a cloud floating safely down to the flower-strewn ground. Above are clouds, a storm-blown tree and a man running through a hail-storm; a small label in centre with Hsi-hsia inscription; torn on all sides.

K. K. II. 0230. d. Fragment with, to right, a seated Buddha figure (half torn away); to left, two figures ministering at a tall many-tiered shrine; to left of shrine, a tree and a pavillion with short flight of steps. In distance, part of plinth of building, with flight of steps, towards which a figure is walking; grass in foreground.

K. K. II. 0230. e. Fragment of Paradise picture; *cf.* K. K. II. 0233. b, etc.

K. K. II. 0231. a, 0233. a, 0264. c, 0282. b. xi, 0292. i. Leaves with rows of seated Buddhas at top of columns of Hsi-hsia text. Figures, rather long in body; pointed *uṣṇīṣa* and narrow ear-like projection at each side of face reaching to shoulder; drapery in festoon folds.

K. K. II. 0231. b. Fragment of leaf showing right side of large picture representing probably the adoration of some central figure or object. Thirty-four figures are shown, many of them with distinguishing cognisances, such as serpent, sword, *biwa*, four-horses and so on; some have shaven heads (monks). In background, clouds and floating flowers and to left a stupa; there are four labels with Hsi-hsia inscriptions; *cf.* K. K. II. 0253. d.

K. K. II. 0231. v, 0233. ttt, uuu, 0239. xx, 0276. c, 0276. t, u, 0284. i. Leaves with rows of seated Buddhas.

K. K. II. 0233, 0244. a. xiv, 0253. b, 0281. a. xxxviii. Leaves with rows of seated Buddhas.

K. K. II. 0233. b, 0280. a, 0290. a. Fragments of picture of a Paradise, all from one original; lower central part missing. General scheme shows an elaborate Chinese palace with a great forecourt. Sloping gangways lead from forecourt to balconies; and an elaborate wall, topped with tiles, runs along the nearer side of the forecourt to which access is obtained by way of two tower-gateways at the ends of the wall. Jewelled festoons adorn the length of the wall. Two streams of water pour from the eaves of the palace roof, right and left. From a central *maṇḍala* at the top proceed four waving beams of light, and from the centre of the picture two more beams in which trees, shrines and other symbols are repeated. To right of centre is an orchestra of female celestial performers, their instruments including cymbals, mouth organ (*wu*), clappers, whistle, conch, syrinx and the Chinese lute. Bodhisattvas, Lokapālas, Dvarapālas and attendant spirits compose the celestial company. For further details *see* Innermost Asia, p. 482. *Cf.* the painted silk banners from Ch'ien-fo-tang.

K. K. II. 0233. vvv, 0282. b. x. Leaves with Hsi-hsia text; at top right, a standing saint leaning on a long staff; to right, a niche with round arch; *cf.* K. K. II. 0241. a, 0242. b. 0285. b. vi, 0285. b. vii.

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K. K. II. 0233. www. Fragment of leaf of Hsi-hsia text with row of seated Buddhas along top, in *dhyāni-mudrā;* below each, a chrysanthemum-type rosette.

K. K. II. 0233. xxx, 0276. v. Fragments of leaves with rows of seated Buddhas. Top of head shown as a low black triangle; no limbs defined; *padmāsana*, a band with oblique lines placed rope-wise to suggest petals; faces, crude.

K. K. II. 0235. k. Part of leaf with Hsi-hsia text; *reverse:* a sketch of a running horse; *see* also under Drawings.

K. K. II. 0236. c. Part of leaf with picture showing a group of figures, two with bare limbs, carrying staves, two in monk's robes and one other, advancing with clenched fists, wears Chinese boots.

K. K. II. 0238. a. Part of picture showing enthroned female divinity, three-headed and eight-armed, with ten adoring seated figures to left; central figure is perhaps Tārā.

K. K. II. 0239. a, 0279. uuu. ii. Fragments of leaves with row of seated Buddhas and between them, bodhi trees, each rising from a cloud supported by a peony-like flower; black border with white-line vajra and circle ornament.

K. K. II. 0239. b. Fragment in two pieces; a group of adoring figures standing on figured pavement similar to that of K. K. II. 0239. c.

K. K. II. 0239. ww. Leaf in two pieces pasted together; Hsi-hsia text and rows of seated Buddhas as K. K. II. 0257. o; halos and *padmāsana* painted pink.

K. K. II. 0240. ii. Fragment with impression of part of block showing parts of two kneeling figures among clouds. Voluminous robes bordered and partly banded with black; halo of nearest figure, carried over neck drapery.

K. K. II. 0240. jj. Fragment of leaf with crude seated Buddha to right; to left, part of another.

K. K. II. 0240. ll. Fragment of leaf with part of "baluster" ornament, as K. K. II. 0229. b, etc.

K. K. II. 0241. a. Page from book of Legends; divided into four equal parts by two lines; in left upper and right lower quarters, six columns Hsi-hsia in each; in top right, a youth inclines reverently before an elderly mendicant who carries a long crooked staff; in lower left the Bodhisattva gives his body to the starving tigress; *cf.* K. K. 0242. b. and 0285. b. vi.

K. K. II. 0242. a. i-viii. Fragments with Hsi-hsia text and elaborate decoration; too fragmentary to reconstruct with certainty but it includes standing single figures of Bodhisattvas and Dharmapālas between columns of floral ornament; all vigorously drawn and with effective use of solid black.

K. K. II. 0242. b. Fragment of leaf showing head, left shoulder and hands of an aged man (mendicant ?) leaning on long crooked staff; he is bald and has an excrescence on centre of skull; *cf.* K. K. II. 0241. a, and K. K. II. 0285. b. vi.

K. K. II. 0244. a. xiii. Fragment of leaf with six columns of Hsi hisa text and impressions of floral stamps below.

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K. K. II. 0247. a, b, 0275. a. xi. Three fragments of picture; confused and bad impression from coarse block; shows a draped altar and attendant figures within border of alternate vajra and dot.

K. K. II. 0247. g. Four fragments, two with a line or two and one a faint Hsi-hsia inscription.

K. K. II. 0251. c. Seven leaves showing adoring figures seated on *padmāsanas* on a tiled terrace; head-dresses of upstanding long leaves or feathers; Hsi-hsia text.

K. K. II. 0253. a. Leaf with row of seated Buddhas along top; very stylised treatment; figures seem to have moustache; Hsi-hsia text.

K. K. II. 0253. d. Fragment of leaf with four adoring figures on *padmāsanas*, two in front and two behind and above; musical instruments and flowers float in the air.

K. K. II. 0254. Fragment of leaf showing Dharmapāla in pose of fury, on rock, with sword; hair streaming violently forward; well drawn.

K. K. II. 0257. f, g. Two leaves with rows of seated Buddhas above Hsi-hsia text.

K. K. II. 0257. o, 0258. a, 0260. h, 0263. a, 0265. a, 0284. f-h. Hsi-hsia text and rows of seated Buddhas.

K. K. II. 0260. q. Fragment of leaf with Buddha figure seated on *padmāsana*, an altar in front and a nimbate monk to right.

K. K. II. 0260. v, 0283. a. xviii, 0285. b. xi. i. Fragments of pictures showing four kneeling adoring figures, each on a separate mat and all differently dressed; one in full robes, one as mendicant monk, one in long black tunic, a black hat like that of a modern Parsi and the fourth in robes of feminine type (head lost); clouds in foreground and symbols scattered over background.

K. K. II. 0262. Fragment, with seated Bodhisattva in teaching pose with nimbus and vesica against a background of clouds.

K. K. II. 0263. b. Fragment showing corner of a draped altar; behind, a standing monk-like figure and in front left, a figure in profile wearing spotted robe stands looking towards altar, hands in *anjali-mudrā;* behind this figure is a confused mass of forms, badly abraded, showing animal heads and grotesque faces; cloud in foreground; six lines of Hsi-hsia in label at top left corner.

K. K. II. 0265. b. Three leaves of a book and a small piece; two leaves of Hsi-hsia text and another has impression of part of a large subject; a company of fifteen divinities all in adoration and most of them distinguished by specific head-dresses.

K. K. II. 0266. p. Fragment with Hsi-hsia text ornamented along top, with row of seated Buddhas each on separate *padmāsana;* below, an arcading of trefoil arches supported on baluster-like columns all in outline; the spaces between Buddhas filled with half-rosettes and strings of flower-like jewels; a column of Hsi-hsia in each arch of arcading.

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K. K. II. 0268. d. Leaf with row of seated Buddhas; a rough reproduction of K. K. II. 0231. a; Hsi-hsia text.

K. K. II. 0270. zz. Fragment of charm in Hsi-hsia characters.

K. K. II. 0272. a. Fragment of picture of Paradise, from upper part; to left, a tree, to right, a window, a label with Hsi-hsia, a niche containing figure with *maṇḍala;* to right, a vertical band of vajra and a half-rosette pattern; a window and other features; *cf.* K. K. II. 0233. b. etc.

K. K. II. 0274. a. Fragments of six leaves of Hsi-hsia book; on front page, part of picture with thirteen Bodhisattvas and demon divinities with distinctive symbols in their coiffures; good work.

K. K. II. 0274. d. Fragment of picture showing L. p. half of seated Buddha on pedestal with left hand raised in teaching pose; a Bodhisattva figure kneels on lotus at Buddha's left, hands in *anjali-mudrā;* behind, a shaven monk.

K. K. II. 0275. a. x. Fragment with standing figure in striped *dhōti;* to right an altar with large lotus in bowl; in front; flowers and symbols on ground.

K. K. II. 0275. g. Fragment of straight-lined labyrinth.

K. K. II. 0275. q. Fragments, one with seated Buddha in *bhimasparśa-mudrā,* and edges of baluster ornament to left of column of Hsi-hsia and *padmāsana* at bottom of leaf; other fragments, text only.

K. K. II. 0276. w. 2, ww. i. Fragments of picture; two kneeling, adoring figures, one, a female in graceful draperies, the other, male in black-bordered shawl and tall leaf or feather head-dress; fine drawing and design; in background, a banana plant.

K. K. II. 0279. uuu. i. Fragment with part of haloed figure seated on lotus; to right, part of another figure.

K. K. II. 0280. b. Fragment showing part of Paradise; to right, upper part of enthroned Buddha and attendants, with terrace buildings in background.

K. K. II. 0280. b. ii. Fragment from top of picture of seated (?) Buddha with divinities in attendance and shaven monk in foreground; to left, Chinese railing and beyond, a plantain bush and clouds.

K. K. II. 0282. b. xii, 0284. a. xxv, 0293. a. Fragments with Hsi-hsia text and rows of seated Buddhas in various *mudrās* along top of leaves supported on baluster-like columns; very decorative design and well drawn.

K. K. II. 0283. a. xix. Fragment with traces of block impression.

K. K. II. 0283. a. xx. Fragment with lower left corner of picture of figure standing to left of a curved altar or pedestal; symbols scattered on floor; vajra in lower border.

K. K. II. 0283. a. xxi. Fragment with upper part of enthroned trimurti figure; Dhyāni Buddha above; central figure has six arms of which five are preserved holding arrows, vajra, lotus, bow and *aksamala;* canopy in several tiers, supports crescent and globe; apsaras on clouds in upper corners, bearing fruits.

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K. K. II. 0284. a. Leaf with pictures of legends; divided into seven parts, each containing a legend; the third down on the left shows a boat on the water and a bundle appearing from the depths which seems to be the same legend as that on the wall painting Ch. II. a. 036 in Case A, Room III of the Central Asian Antiquities Museum, New Delhi.*

K. K. II. 0284. a. xxiv. Two fragments, one containing upper part of same picture as K. K. II. 0241. a., but from a different block; the other with four columns of Hsi-hsia text.

K. K. II. 0284. a. xxvi. Fragment of picture showing half of enthroned Bodhisattva with monk to right; above throne, a baldachino with domed top.

K. K. II. 0285. a. Fragment of landscape, with edge of rocky gorge, trees and shrubs and a torrent of water below, right portion lost; three lines of Hsi-hsia.

K. K. II. 0285. b. v. Leaf with Hsi-hsia text and row of five Buddha figures at top similar to K. K. II. 0231. a, but more crude.

K. K. II. 0285. b. vi. Fragment of leaf divided into four equal sections, two above and two below; first and fourth contain Hsi-hsia text; second the old mendicant (?) with staff and the young man who appear in K. K. II. 0241. a. and 0242 b.

K. K. II. 0285. b. vii. Fragment with replica of aged mendicant in K. K. II. 0242. b., showing more of lower part of figure.

K. K. II. 0285. b. viii. Fragment of fine print of Buddha (?) enthroned with two attendants and a worshipping figure in centre before throne, back to spectator (Queen Vaidehi ?); a kneeling figure on cloud in upper right corner.

K. K. II. 0285. b. ix. Fragment in many pieces showing extremely stylised mountain scene with pine-trees and cumulus clouds and a few small figures in silhouette carrying water vessels (?) on the ends of rods supported across their shoulders.

K. K. II. 0285. b. x. Fragment with seated Buddha against nimbus and vesica with background of clouds from which heads emerge; two detached pieces show haloed head and part of ornamental border.

K. K. II. 0285. b. xi. ii, iii. Fragments of Hsi-hsia text.

K. K. II. 0297. bb. Fragment of kneeling figure in *anjali-mudrā*.

Paper; paintings and drawings, etc.

K. K. II. 014. Fragments stuck together in several layers; red, blue yellow, etc.; obscure.

K. K. II. 022,028. Fragments with traces of Chinese characters; perished.

K. K. II. 042. Fragments stuck together like cardboard.

K. K. II. 064. Fragment with traces of black, green and red.

K. K. II. 065. Fragment with rough sketches of head of stringed instrument, flower and head or figure.

* Cf. Andrews, *Catalogue of Wall-Paintings from Ancient Shrines*. pp. 54, 55.

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K. K. II. 077. Fragment of drawing of floral and scroll design, pricked for pouncing; one side blackened by transfer powder: traces of an older drawing having no relation to the pounce.

K. K. II. 080. Fragment, plain.

K. K. II. 0228. t. Fragment of drawing in line of eyes and left ear of elderly man; Chinese type.

K. K. II. 0229. rr. i, ii. 0231. u. i, ii. Fragments of layers stuck together; painted green and red and buff; no pattern.

K. K. II. 0236. a, b. Fragments: (*a*) part of borders and centre of circular device, yellow and red; (*b*) four enclosed palmettes meeting against central circle; ink.

K. K. II. 0239. d. Fragment of drawing of seated Buddha, on heavily draped *āsana*, in teaching pose; on bare chest is a swastika. No features are indicated on face but a few written characters are there. *uṣṇīṣa* is a gradual swelling unlike the usual form. In front, an altar with sacrificial vessels.

K. K. II. 0247. c. Fragment of drawing of rocky gorge with pine trees.

K. K. II. 0247. d. Fragment of drawing of elderly male figure in loose robe open at chest; holding a branch of peony near nose; a mass of leaves and flowers above head; two brushes fine and coarse, seem to have been used.

K. K. II. 0247. e. Sheet with two drawings or tracings; one a standing warrior-like figure with loin-cloth and girdle; jewel on chest; pose: a spiral twist from knees upwards; left arm raised, fist clenched; Lokapāla (?). Above and at right angles to it, an elderly man with long beard and moustache, projecting under lip, coarse nose and bulging eyes; cloth cap with two narrow bands hanging from back; loose coat, belted; full sleeves.

K. K. II. 0247. f. Fragment with lines of large drapery.

K. K. II. 0247. h. Fragment with drawing of part of man's head, life-size; elderly; similar to K. K. II. 0247. d., but less well drawn.

K. K. II. 0247. i. Fragment of floral drawing arranged as borders and carefully studied bird's wing; pricked for pouncing.

K. K. II. 0247. j. Fragment with drawing of large lily.

K. K. II. 0247. k. i, ii, iii. Three fragments with parts of drawings (*i*) drapery, including large knot; (*ii*) part of hand with long finger-nails, holding flower; (*iii*) part of two figures moving to left, one with loose trousers, shoes and a sword.

K. K. II. 0247. l. Fragment with part of drawing of large figure; swag of drapery crosses straight folds; above swag, a flower-like jewel with pearls attached.

K. K. II. 0247. m. Fragment with drawing of Bodhisattva head.

K. K. II. 0260, 0266. z. Fragment with rough drawing of large drapery.

K. K. II. 0267. ff. Fragment with roughly painted geometrical forms in black, red and green.

K. K. II. 0268. e. Fragment in two pieces with bold drawing of heavily draped figure seated on lotus; right foot very finely drawn.

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K. K. II. 0270. aaa, 0275. a. ix. Fragments of block-printed leaves with Hsi-hsia text and row of five seated Buddhas at top, crudely painted in red, yellow and grey.

K. K. II. 0272. z. Number of fragments with cursive Hsi-hsia writing and symbols.

K. K. II. 0274. lll. Fragment covered with Hsi-hsia writing and screwed into cord-like strip; charm (?).

K. K. II. 0275. a, b. Fragments with drawing of drapery.

K. K. II. 0275. c. Fragment of drawing or tracing of reclining figure in loose, flowing drapery with an arm-rest (?) under arm-pit.

K. K. II. 0275. d. Fragment in two pieces with drawings of two figures, disconnected and one drawn at right angles to the other; one, a standing man in official robes and large hat with a sort of whimple covering ears and coming below chin; he holds a wand of office upright before his face; the other, lower part only, wears loose trousers, boots and long coat.

K. K. II. 0275. e. Fragment of drawing of what appears to be a wall in two horizontal bands one above the other; to left of centre of lower band, a grotesque dancing figure in black silhouette with arms outstretched holding scrolls; in second band an indication of lotus petals as on front of a *padmāsana*; to left a niche with crouching caryatid figure standing on head of lion; above upper band, a vase and some scroll-work; the whole pricked for pouncing.

K. K. II. 0275. f. Fragment of drawing; bold floral ornament pricked for pouncing.

K. K. II. 0275. h. Fragment of drawing; rough sketch showing a plain viewed from a high rocky foreground with trees in foreground, middle distance, and a forest (?) in distance.

K. K. II. 0275. i. Fragment with drawings of two male figures, unconnected; one an elderly bald-headed man, in ample robes, seated; forearms flexed, palms turned up; the other seems to be a second study of the same; well drawn.

K. K. II. 0275. j. Fragment with drawing of part of kneeling or sitting figure in ample draperies, hands on ground; good.

K. K. II. 0275. k. Fragment with drawing of drapery.

K. K. II. 0275. l. Fragment with drawing of head of Bodhisattva (?).

K. K. II. 0275. m. Four fragments with rough sketches of parts of hands.

K. K. II. 0275. n. Three fragments with sketches of a series of seated or kneeling figures in petal-shaped enclosures or halos; probably Bodhisattvas.

K. K. II. 0275. o. Two fragments with drawing of drapery.

K. K. II. 0275. p. Fragment of drawing of a mass of drapery.

K. K. II. 0276. bbb. Fragment of stencil-plate cut in double paper previously used for writing upon; pattern seems to be outer wall of Paradise enclosure with balustrade and festoons; *cf.* K. K. II. 0233. b.

K. K. II. 0276. ccc. Fragments with printed Hsi-hsia text on one side and on the other, coloured drawing of lower part of robe and left foot of figure standing on white slab; red and white.

K. K. II. 0277. jjj. Fragment with painting of part of jaws of monster.

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K. K. II. 0280. b. xvii. Fragment of Hsi-hsia pōthi with traces of paint showing yellow dots on red.

K. K. II. 0280. b. xviii. Fragment of Hsi-hsia pōthi-cover with traces of rosettes in white on green ground.

K. K. II. 0280. b. xix. Fragment as preceding, painted green.

K. K. II. 0282. b. viii, ix. Fragments of charm in form of wheel with fret-pattern border surrounding radiating panels in each of which are five Chinese characters.

K. K. II. 0282. b. xv. Cardboard miniature cap.

K. K. II. 0283. a. xxii, xxiii. Two fragments of several layers stuck together, painted pink.

K. K. II. 0284. a. xxviii. Three fragments; in one, a figure seated on a mat and two others, nude except for loin-cloths, with demon faces, running to left; below, a tree-top; another fragment shows a shrine; below, a thunder-demon in circle of drums; other fragment perhaps part of these.

K. K. II. 0284. b. Fragment with parts of tracings or drawings; one with head of Bodhisattva with Dhyāni Buddha in mukuṭa; another, a right foot and festoon of jewels; another, the top of a bald-head with waving drapery above.

K. K. II. 0284. c. Fragment with drawing of centre of Neptune-like face.

K. K. II. 0284. d. Fragment with drawing of bald-headed man in loose robe, standing and leaning across an oblique tree-trunk, chin on arm; a clever drawing.,

K. K. II. 0284. e. Fragment with drawing of seated figure on lotus pedestal.

K. K. II. 0284. j, k. Fragments of Hsi-hsia MS. and traces of crude painting.

K. K. II. 0285. i. Fragment with bold Hsi-hsia characters and traces of white and red paint.

K. K. II. 0285. b. ii. Fragment with part of large pattern in blue, green and pink.

K. K. II. 0294. e-h. Fragments of several thicknesses roughly painted.

K. K. II. 0304. z. Fragment coarsely painted in black and red.

K. K. II. 0313. a. Fragment with drawing. To left, a muscular figure rides to right on yak which turns its head three-quarters to left and expresses fear. Figure is clad in thin tunic reaching nearly to knee and has bare leg and arm. Left fist grasps reins, right arm missing.

A second figure on farther side of yak and slightly in advance rides horse with erect streaming mane and ears cocked forward. This figure has a tight-fitting embroidered tunic (or decorated leather armour), loose apron-like drapery round middle, long thin stole blown into large waving loops, loose trousers gartered below knee or tucked into lower leg covering; soft boot; left hand grasps reins, right arm curves outward from body, the hand placed lightly on right thigh and holding a flower delicately between thumb and forefinger.

Body is turned to front while horse is in profile, as though figure were looking back towards rider on yak; but head is missing. Horse is galloping and has high-pommelled

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saddle and broad saddle-cloth with plain border. On breast-band are bells (?). Easy grace of rider is in striking contrast with energetic action of horse.

The peculiar splay action of the yak is cleverly caught and contrasts with graceful movement of horse. The persons are riding through scrolls probably representing clouds.

Quality of drawing is strong and rapid; movement through the air expressed by agitated draperies even more than by attitude of animals. Upper and left parts missing. Right edge torn; paper moderately thick and opaque. 13 inches $\times 7\frac{1}{2}$ inches.

K. K. II. 0313. b. Fragment with drawing of rocky landscape and small figures. From about centre, running to right, a mass of vertical rocks. Farther to right are more distant rocks rising from a valley through which runs a stream with a house on its bank.

In foreground to right three seated figures, probably in boat. Tall rocks appear to left and in foreground of valley; below is a figure perhaps wading in a stream and playing with a dog (?). In centre, a roughly drawn circle which may be the Sun or Moon. Gnarled trees appear in centre of foreground and another boat (?) to left. Large patches missing at left and right. Paper, smooth, very thin, and buff.

K. K. II. 0313. c. Fragments of rapid sketch, which seems to show view of a level plain seen from a high rock (foreground), an old twisted tree rising to right and extending its foliage to centre of top of picture. Riding across plain from right to left are two horsemen going at great speed and leaning forward over horses' necks as they urge the animals on. One rider has his right arm upraised holding a stick (?), the other has his arms extended forward. They appear to be either racing or chasing. Speed and violent action of men and horses very vividly expressed by simplest possible lines.

The rest of drawing vague; but there is probably another horseman with lance over shoulder in right foreground.

In centre appears to be a large house or temple with figures seated in and about it and with vertical rocks behind. To extreme left are four or five Chinese characters. Portions missing; paper, smooth, very thin, buff and ragged.

H. K. II. 0313. d. Fragment of drawing of seated figure on rock, right knee raised supporting outstretched right arm, the hand falling gracefully in front of knee; voluminous drapery in rope-like folds; rich jewellery; perhaps study for Avalokteśvara.

K. K. II. 0313. e. Fragment with drawing of Gaṇeśa head wearing Nepalese or Tibetan cap.

K. K. II. 0313. f. Fragment of drawing of Bodhisattva; centre part only; graceful and well designed.

K. K. II. 0313. g. Fragment with three drawings; two of an old man's head and the other of nearly half-length of a man; all good.

OBJECTS FROM STUPA K. K. III.

Stucco.

K. K. III. 013. Mould of rectangular plaque of seated Buddha in *bhimasparśa-mudrā*; good.

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Textiles.

K. K. III. 01. Fragments of silk muslin painted banner; subject: on one, a Nāga king standing up to his thighs in water supporting on upraised right hand a *padmāsana*, probably of Avalokiteśvara. A second fragment shows traces of drapery and red snakes.

K. K. III. 02. a-d. Fragments of plain, figured and painted silk: (*a*) thick figured twill, blue and buff; pattern: obscure; (*b*) plain, blue; (*c*) muslin, with traces of paint; (*d*) traces of paint.

K. K. III. 04. Fragments of painted banner; one with traces of colour; the other with three Chinese characters.

K. K. III. 05. a, b. Fragments of silk painting: (*a*) shows part of altar or pedestal, a supplicating figure below; to left, a female with dish of fruit or flower (Śrī Devī), a demon in tiger skin and a standing Bodhisattva; below, a rider on black horse; floral scroll-work on green ground; colouring: crimson, blue and green; (*b*) folded legs of seated figure.

K. K. III. 05. c, 08. Painted silk fragments.

K. K. III. 09. Fragment of silk, blue.

K. K. III. 010. Fragment of painted silk muslin; blue, red and black; thin paper at back.

K. K. III. 012. Fragment of silk, finely woven; plum colour, attached to buff muslin and fragments of blue silk and paper.

K. K. III. 017. ii. Fragment of silk damask (?)

K. K. III. 017. jj. Fragment of silk with paper adhering.

K. K. III. 018. Fragment of silk banners with traces of paint.

K. K. III. 020. mm. Fragment of silk banner (?) wrapped round stick; traces of paint.

K. K. III. 022. aa. Fragments of silk muslin with traces of paint and fragments of paper at back.

K. K. III. 025. t. Fragments of silk muslin; traces of painted halo.

Paper.

K. K. III. 011. Fragment, painted; yellow scrolls rising from red patch with curved red band touching scrolls; outlines, black.

K. K. III. 015. cc, dd. Two pieces with block impression of two seated Bodhisatavas on thrones against petal-shaped halos; style, Nepalese.

K. K. III. 017. cc-gg. Tibetan block impression.

K. K. III. 017. s. i, ii. Fragment in two pieces showing block impression of enthroned Bodhisattva, with elaborate mukuṭa; circular halo; tassels above hanging from canopy (lost); hands at breast in *dharmacakra-mudrā*; background of clouds and wavy rays.

K. K. III. 022. p, q. Fragments with drapery lines.

K. K. III. 023. h, i. Fragments: (*h*) rough drawing of head and shoulders of figure diagram with Hsi-hsia characters at outer end of lines radiating from figure; on back, Hsi-hsia writing; (*i*) sketch of part of garment painted yellow.

K. K. III. 024. hh. Fragment with crude sketch.

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K. K. III. 025. u. Leaf with block impression showing seated Buddha figures down sides; a bell-shaped form filled with Tibetan text in centre resting on *padmāsana* and six Tibetan characters along bottom; centre destroyed by insects.

K. K. III. 026. c. Fragment of block impression of Chinese (?) text with row of seated Buddha figures along top and repeating inverted trefoil palmette ornament immediately below *padmāsanas*.

K. K. III. 026. d. Fragment with block impression of haloed worshipping figures of Nepalese type; four heads, all looking to right.

OBJECTS FROM SHRINE K. K. IV.

Stucco.

K. K. IV. 01, 07, 010-012, 017, 022, 025, 027. Fragments of drapery, red and green, edged with gold.

K. K. IV. 02. Fragment of ornament; double spiral; red.

K. K. IV. 03, 015, 023, 026. "Butterfly" bows; 03, 015, half; red. 023, red, lined green, edged with gold. 026, half; red.

K. K. IV. 05. Finger, life-size; gilded.

K. K. IV. 06. Begging-bowl (?) amidst flames; as almond-shaped finial.

K. K. IV. 08. Fragment of human ear; gilded.

K. K. IV. 014. Fragment of drapery; green, white and gold.

K. K. IV. 016. Fragment of ornament; lotus with jewel centre surrounded by scrolls; gilded.

K. K. IV. 018. Fragment of bead ornament; gilded.

K. K. IV. 019. Rosette with domical centre; gilded.

K. K. IV. 024. Fragment of foot; gilded.

K. K. IV. 028. Fragment of ornament; peony rising from pair of incurled volutes.

OBJECTS FROM STŪPA GROUP K. K. V.

Stucco.

K. K. V. 031-034, 049, 051-054, 088. Votive tablets with seated Buddha in trefoil halo.

Textiles.

K. K. V. b. 01. Fragment of silk painted with lotus pattern.

K. K. V b. 06. bb. Fragment of silk; blue.

K. K. V. b. 013. r. Fragment of silk muslin; blue-grey.

K. K. V. b. 015. ll, mm. Fragments of silk; blue.

Paper.

K. K. V. b. 011. r-t. Fragments showing two circles each containing a lotus and Tibetan inscriptions; charms.

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K. K. V. b. 019. Fragment of leaf with Hsi-hsia text decorated with seated Buddhas along upper part alternating with naturalistic trees; *padmāsana*, of crysanthemum type; each tree grows from cup of lotus; bold scroll border along upper edge.

K. K. V. b. 020. Fragment of fretwork; interlacing circles with rosettes in hollow-sided squares formed by interlaced curves.

K. K. V. b. 035. n. Cardboard with charm in form of grotesque bear-like figure behind a circle; legs and arms project from behind circle, right hand grasping sword held horizontally behind head; in centre of circle, a triangle containing a grotesque figure; triangle enclosed in circle; Tibetan inscription in circle and outside.

OBJECTS FROM SITE K. E., EAST OF KHARA-KHOTO (K. E.)

Pottery.

K. E. I. 01. Jug, oviform with trumpet mouth and reeded, loop handle; glaze lost; surface, abraded.

K. E. II. 01. Bottom of porcelain bowl with ring-foot; painted with pair of ducks swimming in water and surrounded by aquatic plants; blue and white (Sung ?).

K. E. III. 01, 02. Spinning whorls.

K. E. V. 01. Spinning-whorl, amalaka-shaped; glazed.

K. E. V. 019. Rod; black.

K. E. V. 020. Part of wall and rim of large jar; brown-buff, glazed dark chocolate-brown inside and out, with bold patterns on outside formed by scrapping away glaze to show buff ground, the pattern being reserved in glaze; pattern: round upper part, lotus petals arranged as "egg and dart"; below, large acanthus scroll.

K. E. X. 01. Bowl; ring-foot; buff, glazed buff; Chinese mark in black within ring-foot.

K. E. X-XI. 01. Fragment; buff and brown; foliate ornament in brown glaze; same technic as K. E. V. 020.

K. E. X-XI. 02. Fragment of bowl; buff, glazed dark brown.

N. E. X-XI. 03. Fragment; red, glazed rich sage-green.

K. E. X-XI. 04. Fragment; remains of buff slip and glaze; painted with bold flower in dark grey enamel.

K. E. X-XI. 07. Fragment; grey celadon with roughly incised pattern under glaze.

K. E. XI. 01-03. Spinning-whorls.

K. E. XII. 01, 02. Fragments; 01, disc, red, pierced as for whorl. 02, hard, grey with thick grey-green spongy glaze.

K. E. XIII. 02. Fragment; hard, fine, buff; glazed brown inside; outside, cream with spiral pattern in brown.

K. E. XIII. 04. Fragment; hard, buff, glazed inside dark brown; outside colourless, over cream slip; floral pattern in brown outline.

K. E. XIII. 05-010. Spinning-whorls made from fragments ground to shape.

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K. E. XIV. 07. Fragment of antefixa; circular end; floral pattern within pearl border, in low relief; hard brown, glazed brown.

K. E. XIV. 08. Fragment; coarse red-buff; glazed green-brown; crude incised S- and U-patterns outside.

K. E. XIV. 012-015. Fragments; 012, from bowl; grey, glazed fine mottled dark grey-green. 013, red-buff, glazed as 012. 014, red-buff, glazed grey-blue. 015, grey; glazed as 014.

K. E. XIV. 016. Fragment from rim of vessel; light grey, glazed brown; ribbed on outside.

K. E. XIV. 017. Fragment; mouth of vessel; similar ware to preceding.

K. E. XIV. 019. Fragment; fine red; moulded with obscure pattern; glossy buff slip and remains of blue-green glaze.

K. E. XIV. 027. Fragment of jar with small loop-handle; hard, grey, glazed dark olive-green.

K. E. XV. 01. Fragment of porcelain bowl; pale green glaze; floral pattern carefully painted inside and out in grey-blue; outside: formal border of outline four-petal rosettes formed of interlacing ellipses; inside: slightly different border; faint low relief ornament under glaze.

K. E. XV. 02. Fragment of porcelain bowl with decoration in grey-blue.

K. E. XVII. 04. Small curved spout of porcellaneous ware glazed pale grey-green.

Glass.

K. E. 01. Fragment of small bowl with graceful out-turned rim; buff body, with pattern in dark grey consisting of zones of scallops or zigzags and rosettes, the outlines formed of several very thin parallel lines; each line, the edge of a lamina which runs through the substance of the bowl and so produces practically the same pattern on both inside and outside surfaces.

K. E. 02. Glass bead; spherical.

K. E. V. 011. Fragments of glass; pale green.

K. E. V. 012. Glass bead; spherical; blue; chipped.

K. E. XIII. 012. Half of glass bead; flattened spherical; honey-colour.

K. E. XIV. 04. Fragment of glass bead; blue.

K. E. XIV. 021-026. Fragments of glass beads; mostly straw-colour.

K. E. XVII. 06. Half of glass bead; spherical; grey-brown.

K. E. XVII. 07. Fragment of glass; turquoise blue.

K. E. XX. 01. Half glass bead; pale grey-green.

Metal.

K. E. 014. Bronze disc with shank.

K. E. 017. Fragment of iron knife-blade with tapering tang.

K. E. III. 03. Bronze "grelot" bell.

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K. E. III. 04. Fragment of bronze mirror with grape scroll in high relief; Han dynasty. *Cf.* Bushell, *Chinese Art*, i. p. 88. fig. 60.

K. E. III. 05. Fragment of rough bronze.

K. E. V. 04-010. Fragments of bronze and iron.

K. E. V. 013. Strip of bronze with rivet-hole at each end.

K. E. V. 015. Loop of iron rod.

K. E. V. 016. Bronze strap-loop.

K. E. V. 018. Fragment of bronze plate.

K. E. IX. 01. Iron casting (?) roughly heart-shaped.

K. E. IX. 02-05. Fragments of bronze; 02, finger-ring of thin sheet with elliptical bezel. 03-05, wire.

K. E. XI. 04-015. Fragments of bronze and iron.

K. E. XII. 03. Iron ring.

K. E. XII. 04, 05. Fragments of bronze.

K. E. XIII. 013. Iron knife-blade, single-edged with remains of tang.

K. E. XIII. 014. Bronze loop; rectangular.

K. E. XIII. 015. Bronze ring.

K. E. XIV. 01. Fragment of cast-iron spear-head-shaped object; hollow at back.

K. E. XIV. 02, 03, 06. Iron nails.

K. E. XIV. 05. Fragment of bronze sheet, doubled; rough ornament in punched dots.

K. E. XIV. 09. Iron object like a wall-hook.

K. E. XIV. 018. Fragment of bronze strap-end.

K. E. XV. 03-06, 08-010. Fragments of bronze sheet and wire.

K. E. XV. 07. Bronze disc; six-lobed; pierced with square hole.

K. E. XVI. 01. Miniature silver spoon; like snuff-spoon; round bowl, curved handle.

K. E. XVII. 01. Iron ferrule, flattened; from knife-handle (?).

K. E. XVII. 03, 08, 09. Fragments of bronze; 03, flat ring. 08, nail. 09, band.

Stone.

K. E. V. 03. Small axe-head; hard, grey.

K. E. X-XI. 06. Fragment of axe-head (?); dark grey.

K. E. XI. 016. Flint fragment.

K. E. XIII. 011. Fragment of hone (?); black; hole through narrow end.

K. E. XVII. 05. Cornelian bead.

Miscellaneous.

K. E. X-XI. 08. Fragment of small bowl-shaped object; cut from shell (?).

OBJECTS FROM ADUNA-KORA (A. K.)

Pottery.

A. K. 01. Fragment from wall of vessel; hard; buff; glazed greenish-brown; faintly ribbed horizontally.

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A. K. 02. Fragment from wall of vessel; hard, red, shading to grey at rim; dark brown glaze, streaked with red-brown; faintly ribbed horizontally.

A. K. 05. Fragment from lip of vessel; yellowish-grey; glazed brown.

A. K. 06. Fragment from handle (?) of vessel; buff; partly glazed brown; hole pierced at one end.

A. K. 08-014, 016, 017. Fragments; grey, of celadon type; floral patterns in low relief under grey-green glaze inside. 010, 016 have radiating lines outside suggesting fluting.

A. K. 018, 019, 020, 021-025. Fragments of vessel; hard; porcellaneous. 018, facetted outside and painted with floral pattern in blue line and wash. 019, glazed pale green; faintly incised pattern inside. 020, very thin; glazed very pale grey-green; faintly incised pattern inside. 021-025, glazed ivory colour. 023, has raised scalloped line inside.

A. K. 026, 027. Fragments; hard; grey; glazed pale yellow with dark brown lines and small circles slightly incised outside; remains of brown glaze inside.

Metal.

A. K. 037. Fragment of bronze from rim of vessel.

A. K. 038. Fragment of iron, scrolled into loop at one end.

A. K. 039. Bronze standing figure with pointed nimbus; broken away at knees; height $1\frac{3}{8}$ inches.

Stone.

A. K. 03. Fragment from wall of vessel; soft; grey; probably steatite.

A. K. 04. Whorl, drilled from both sides.

A. K. 029-036. Fragments of pink agate; some worked.

OBJECTS FROM SITE SOUTH OF SOKHO-NŌR (E. G.)

Pottery.

E. G. 07. Antefixa from roof-tile; circular, with fine dragon and clouds in relief; grey.

E. G. 08. Fragment of dragon's head with upturned snout; architectural ornament (?) grey.

E. G. 09. Ornamental brick; hollow; square; on each face a lotus and stems in relief; grey.

Wood.

E. G. 05. Food bowl; lathe-turned; a bud between bracts incised at bottom.

E. G. 06. Small box-shrine (?); with grooves for lid; top treated as Chinese roof; traces of red paint.

E. G. 010. Fragment of board painted with dragon outlined in raised gesso and gilded on red lacquer ground; green cloud below.

E. G. 011. Box, for use as shrine (?); oblong: top, arched; back, broken away; grooved for sliding lid or shutter; lacquered brown.

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E. G. 012. Board, rectangular, one end pointed with hole at point; a mystic subject printed on paper is stuck to the board and covers one side; subject: a demon riding a grotesque animal; constellation above; in upper part, a double circle with mystic signs surrounding a square; to left of circle, a rectangle divided into squares, each containing a symbol.

Textiles.

E. G. 02. Canvas, painted with blue deity seated on *padmāsana*; high *mukuṭa*; voluminous red paijamas; short green vest with blue tabs at waist; right hand on right leg; left raised to breast; Tibetan type.

E. G. 014. a. xix. Fragment of woollen fabric; fine; loosely woven.

E. G. 019. a. xviii. Fragment of silk with painting of hind legs of horse on red ground.

Paper.

E. G. 01. Block-print; subject: deity with flaming sword seated on demon.

E. G. 03. Block-print; subject: boar-headed divinity standing on lion, embracing nude Śakti; garland of skulls from waist; Tibetan.

E. G. 04. Block-print; subject: Vajrapāni enthroned on elephant seat; Tibetan.

E. G. 013. a. xxxi. Fragment; subject: upper part of large figure subject, with foliate background; only tops of halos of figures preserved.

E. G. 014. a. xviii. Fragment of block-print border.

E. G. 017. a. xliii. Two fragments with roughly sketched charms on one side and three lines of Tibetan writing on the other.

E. G. 017. a. xliv. Fragment printed with double border line and part of flower.

E. G. 017. a. xlv. Fragment of block-print of Tibetan script with ornament along top.

E. G. 018. m. Fragment of block-print in faint red outline; subject: within two circles, two divinities, one riding on an elephant, the other standing on a prostrate female figure; mountains, trees and clouds in background.

E. G. 018. n. Block-print of warrior divinity playing the *biwa*; background of clouds and mountains; scroll borders above and below.

E. G. 018. o. Block-print in red; subject: a four-armed Bodhisattva seated on *padmāsana*; right upper hand holds rosary; left, mace; right lower hand in *vara-mudrā*; left, a vase-like object; faint and indistinct.

E. G. 018. p. Fragment or sketch of trimūrti eight-armed deity seated on lotus holding various emblems in hands; beginning of sketch of animal below: above, three impressions of panels containing Tibetan inscriptions; on back, two faint Chinese seal impressions in red.

E. G. 018. q. Fragment of block-print; subject; a grotesque beast standing; scaly body; cloven hooves; brush-like tail; head vague and part lost; fret border.

E. G. 018. r,+023. a. xxiv. Block-print of part of charm; two Tibetan *yantras* composed in each case of concentric circles divided radially by undulating lines; four legs

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of hog appear below outer circle; crined back, tail and head show above; a line of Tibetan script along top of paper.

E. G. 018. s. Block-print of Tibetan charm; three concentric circles of script; flaming vase in centre with snake supporters at sides.

E. G. 018. t. Small sheet with roughly drawn geometrical forms within single line border.

E. G. 022. a. xxxii-xxxiv. Fragments of crude Tibetan *yantras*.

E. G. 022. a. lviii, lix. Two fragments of block-print of enshrined Buddha figure (?); only part of *padmāsana* and scroll ornament preserved.

E. G. 022. a. lx, lxi. Two fragments of block-prints; scrolls and scattered lines.

E. G. 022. a. lxii-lxv. Four fragments of block-prints; lxii shows part of circular halo; a hand grasping a wand (arrow ?) and a background of rocks, leaves and clouds; below, a band of pearls on red ground. lxiii, part of similar scheme showing three or four arms with symbols. lxiv, part of top right corner of similar scheme but with border of fine scroll-work. lxv, rough impression from part of large seal.

E. G. 023. a. xxi-xxiii. Three fragments with roughly written Tibetan charms.

Turfān and Kara-khōja sites.

From Mao-mei a route leads NW. to Hāmi and Turfān, the distance to Hāmi being about 390 miles. 20 miles before reaching Hāmi is ARA-TAM. KARA-KHOJA is 200 miles due W. of Hāmi and the Turfān oasis almost joins the western side of that of Kara-khōja.

The Turfān and Kara-khōja oases contain the following sites from which wall paintings and other objects of archaeological and artistic interest have been brought. Many important wall paintings from Bezeklik, Kara-Khōja, etc., are exhibited in the Central Asian Antiquities Museum, in New Delhi :—

YUTŌGH is 20 miles E. of Kara-khōja.
TOYUK, 7 miles E. of Kara-khōja.
BEZEKLIK, 8 miles N. of Kara-khōja.
M. B. (Murtuk), 10 miles N. of Kara-khōja.
M. C. (Murtuk), 10 miles N. of Kara-khōja.
SASSIK-BULAK, 20 miles NW. of Kara-khōja on the northern edge of the Turfān oasis.
PEI-T'ING, 80 miles N. of Turfān.
YÀR-KHOTO, on the western border of the Turfān oasis.
ASTĀNA, in the Kara-khōja oasis.
CHONG-HASSÀR and KICHIK-HASSÀR about 12 miles S. of Kara-khōja.

OBJECTS FROM ARA-TAM (A)

Stucco reliefs.

A. I. 001, 002. Two palmette finials; green and chocolate.

A. I. 003. Jewel, circular boss with floral border; remains of green paint.

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A. I. 004. Medallion from head-dress with spiral ornament; traces of red paint; wooden support.

A. I. 005. Tassel; traces of yellow paint.

A. I. 006. Part of border; edge, blue; front, scale-pattern of red lines on white.

A. I. 007, 0011. Parts of drapery; red and blue.

A. I. 009. Three tri-coloured ribbons, blue, red and green, interlaced.

A. I. 0010. Top-knot from head-dress.

A. I. 0012. Edge of vesica (?): spiral in red and green.

A. II. 001. a, b. (*a*) side-lock of hair; black. (*b*) top-knot of same; traces of black.

OBJECTS FROM KARA-KHŌJA (Kao.)

Glass.

Kao. 018, 019. Two fragments of glass; greenish.

Metal.

Kao. 01. Circular bronze mirror with scalloped edge; on back, decoration in relief: a duck on water, with bank and flowers; a lotus at junction of handle with mirror.

Kao. 03. Bronze pendant; pear-shaped with volutes and bud issuing from calyx, in relief; loop at top.

Kao. 04. Bronze pendant: T-shaped with boss at crossing.

Kao. 015. Bronze ornament; oblong plaque of thin foil with butterfly in high repoussé.

Kao. 020. Bronze strap-loop (?); elliptical.

Kao. 028. Bronze mace-head; cast solid; pyramidal points projecting from obloid body.

Kao. 031. Bronze weight; octagonal prism; punch-marked.

Kao. 032. Bronze figure of standing Bodhisattva.

Kao. 034. Circular bronze mirror with central boss and four Chinese lapidary characters round it.

Kara-khōja. 001. Solid cast bronze statuette of standing Buddha on hollow conical base.

Stone.

Kao. 02. Jade "netsuki" in form of reclining dog.

Kao. 013. Jade carp (?); pale green.

Kao. 016. Steatite mould of small heart-shaped leaf.

Kao. 017. Fragment of jade ornament suggestive of two pomegranites on stem.

Kao. 035. Duck-shaped charm; flat; broken.

Wood.

Kao. 011. Fragment of bamboo matting; *see* also under Textiles.

Kao. 012. Colossal right hand; fingers of wood, each a separate piece; palm a shell of "fibrous" plaster, gilded; *see* also under Stucco.

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Kao. 023. Seal for ink; oblong; shank drilled for string; device: fret in relievo.

Kao. 025-027. Fragments of carving; floral open-work panel.

Kao. 029. Ladle.

Stucco.

Kao. 012. Colossal right hand; fingers extended, each completely carved in a separate piece of wood, with long extension. These extensions are gathered together inside body of hand which is a shell made of canvas coated with fine plaster moulded to complete the hand and the whole gilded. An extremely complicated and clever piece of craftsmanship. *See* also under Wood.

Kao. 024. Woman's head in the round; hair in top-knot; delicately modelled in fine fibrous plaster; naturalistic colouring.

Kao. 030. Human foot; sole upwards.

Textiles.

Kao. 011. Fragments of bamboo matting made of fine strips of thin bamboo laid as a warp and held together by a weft of silk woven in an elaborate cloud-scroll and floral-pattern in bands; colours: yellow, blue-green and plum colour; *see* also under Wood.

Paper.

Kao. 05. Fragment of block-print: two Chinese male dancers performing on a narrow bench; one is standing on his hands; probably printed from two or more blocks for outline and tints. Good work.

Kao. 06-09. Three fragments of painting; backed with crimson silk; subject: two kneeling donors (?) before a red throne; other figures are also present; drawing, delicate and good.

Kao. 058. Fragment of card with block impression of large head in centre and part of figure in black robe in foreground; back covered with diaper; suggests some kind of playing card.

FROM MONASTIC STRUCTURES KAO. I.

Pottery.

Kao. I. ii. 076. a, b. Two fragments of moulded brick; design: a series of pearl-bordered circles joined by straight pearl bands.

Metal.

Kao. I. ii. 070. Lead disc on string; *see* also under Fibre and Grass.

Wood.

Kao. I. ii. 074. Comb.

Textiles.

Kao. I. 02. Three fragments of silk; pink; traces of paint.

Kao. I. i. 01. Fragment of embroidery; design: floral; part of shoe (?).

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Kao. I. ii. 01. Fragment of painting on silk; drapery; red, blue and yellow.

Kao. I. ii. 075. a, b. Two fragments of tapestry; coarse; peacock-tail pattern in blue, red, yellow and brown.

Fibre and Grass.

Kao. I. ii. 070. Piece of string with small leaden disc; *see* also under Metal.

OBJECTS FROM SEPULCHRAL STRUCTURE KAO. III.

Pottery.

Kao. III. 059. Fragment of terra-cotta grotesque dragon head; grey.

Metal.

Kao. III. 02. Circular brass mirror with handle; cast in one piece design on back: a minstrel playing a Chinese instrument to an audience of boys in animated poses; a fruit-tree in foreground.

Kao. III. 04-07. Bronze caldrons; 04, with three claw-shaped feet and traces of two loop-handles. 05, with two handles projecting horizontally from side. 06, same type as 05, but smaller. 07, with upright handles.

Kao. III. 08. Iron cooking-pot; flat bottomed; handle at one side, broken off.

Kao. III. 09. Bronze cooking-pot like preceding with socket at one side for handle.

Kao. III. 010. Wrought iron or steel spear-head.

Kao. III. 011. Bronze disc with champlevé ornament and hole through centre; design: six-armed divinity seated on rocks and two kneeling demons opposite him; *reverse*: in zones, twelve Chinese cyclical signs, twelve Chinese characters and an inner floral zone.

Kao. III. 012. Iron loop, elliptical with ends scrolled where they meet.

Kao. III. 014, 015. Two iron rings, flat.

Kao. III. 016. Fragment of iron implement in form of cone.

Kao. III. 017, 082-086. Cast iron cow-bell in six fragments.

Kao. III. 018. Bronze bolt, round; large solid head.

Kao. III. 065-081. Fragments of bronze caldrons.

Kao. III. 087-097. Fragments of bronze; mostly flat.

Kao. III. 098. Fragment from rim of iron vessel.

Kao. III. 0101-0103. Three saucers or pans with fluted sides and two with scalloped edge; apparently stamped out of sheet.

Kao. III. 0104. Bronze bowl or cooking-pot.

Kao. III. 0105. Iron casque; type worn in Han times and by Rajputs in India; edge drilled for attachment of chain-mail curtain.

Kao. III. 0106. Bronze bowl, in three pieces; lathe-finished; decorated with incised ornament; perhaps bowl of water-clock.

Kao. III. 0107. Bronze bowl with projecting lug at one side.

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Kao. III. 0108, 0109. Two iron discs, one with lug.

Kao. III. 0110. Fragment of sheet bronze, one edge turned over and "wired".

Kao. III. 0111. Curved bronze handle, for caldron; one end bent into a hook, the other missing.

Kao. III. 0112. Fragment of iron bar; square section.

Kao. III. 0113. Iron rivet-plate.

Kao. III. 0115. Fragment of bronze foil.

Kao. III. 0116. Iron lozenge-shaped plate with projecting hook at one angle; hole through centre of plate; loop for handle-end such as Kao. III. 0111, from side of vessel (?).

Kao. III. 0117. Fragment of iron sheet rolled into tube.

Kao. III. 0118. Bronze buckle; broken in two.

Kao. III. 0119. Fragment of iron rod, bent U-shaped.

Kao. III. 0120, 0121. Two iron rings, open at ends which are finished with knobs.

Kao. III. 0122. Iron ring with ends thinned for lapped joint.

Kao. III. 0123. Iron staple; linch-pin pattern, with rod linked to it.

Kao. III. 0124. Two small oblong iron plates linked to a ring.

Kao. III. 0125, 0126, 0138-0145. Fragments of iron rod, bent.

Kao. III. 0127. Fragment of rim of bronze mirror (?).

Kao. III. 0128, 0129. Fragments of cast bronze from caldron (?).

Kao. III. 0130. Iron nail.

Kao. III. 0131. Bronze boss of thin foil; domical.

Kao. III. 0132. Iron boss with square quatrefoil chased (?) on it.

Kao. III. 0134. Brass link made of flat band.

Kao. III. 0136. Silver amulet case in form of small circular box with floral design in repoussé; to side loops are attached silver chains which meet in a silver ring; an iron chain of 8-shaped links is attached to the ring.

Kao. III. 0137. Silver figurine of nude male, standing, with ring at top for suspension; feet together tapering into a rod.

Kao. III. 0163. Fragment of iron band, bent; one end fashioned into a disc and lozenge.

Kao. III. 0164. Pair of iron tweezers with chisel-edged jaws and locking-ring; one side broken.

Kao. III. 0165. Iron ring with doubled rod linked to it.

Kao. III. 0166. Triangular iron ring.

Kao. III. 0168. Iron padlock; tubular.

Kao. III. 0169-0174. Steel knife blades of various patterns; single-edged; generally with fine groove near back as on blade of modern pocket-knife.

Kao. III. 0176, 0177. Two brass seals joined by silk cord; device: 0176, Chinese lapidary character—"good fortune" in intaglio; 0177, shield-shaped; device: Chinese lapidary character in relievo (for ink) "*chi*"—seal, and below other details not clear.

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Kao. III. 0178. Half of bronze ring.

Kao. III. 0179. Fragment of stirrup-shaped iron handle.

Kao. III. 0180. Small iron spear-head with round tang.

Kao. III. 0181. Iron hook; broken.

Kao. III. 0182. Triangle of iron rod.

Kao. III. 0183. Fragment of brass ornament; stirrup-shaped with ring at top and each corner; incised circles and lines on face.

Kao. III. 0184. Oblong fragment of iron.

Kao. III. 0185. Small copper plate.

Kao. III. 0186-0191. Six fragments of brass foil.

Kao. III. 0192. Fragment of bronze plate.

Kao. III. 0194. Iron ornament in form of cross with ring and one end of one limb and the opposite end bifurcated and spread with a terminal knob at end of each part.

Kao. III. 0195, 0196. Two bronze rings.

Kao. III. 0197. Iron (?) ring.

Kao. III. 0198. Iron (?) strap-loop of flat strip.

Kao. III. 0199. Iron (?) ring of flat strip.

Kao. III. 0200. Iron ornament; lozenge-shaped with bifurcated stem at one angle.

Stone.

Kao. III. 0135. Pebble; cut, cone-shaped with convex base; bluish-white.

Wood.

Kao. III. 064. Finial; lathe-turned with mushroom head and round tenon.

Kao. III. E. 03. Ink-pot; cylindrical; covered with lacquered leather; contains ink-soaked rag.

Textiles.

Kao. III. 03. Embroidered shoe with leather sole; uppers: verdigris-green tapestry finely stitched to stiffening, giving quilted surface; decoration in floral embroidery and fine braid-work; a fine piece of workmanship.

Kao. III. 063. Cloth shoe; quilted and finely braided; silver thread is introduced, couched with "horse-tail". Very good work.

Kao. III. 0264. Fragments of cloth; coarse canvas with traces of paint; woollen material with floral pattern in silk, yellow on pink; silk with traces of paint.

Kao. III. E. 01. a, b. Two fragments of printed silk; red with floral pattern in "resist".

Kao. III. E. 02. a-c. (*a*) Two fragments of silk tapestry; design: *obverse*: pink, green, yellow and black; (*b*) loosely woven woollen fabric in check design; blue, red and white. (*c*) scrap of silk, dark blue with pattern in "resist".

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OBJECTS FROM QUARTERS KAO. IV, V.

Pottery.

Kao. V. 013. Fragment; red; glazed fine blue.

Kao. V. 016. Corner of brick; moulded with spirals and rosette in low relief; grey.

Glass.

Kao. V. 010, 011. Fragments of glass.

Metal.

Kao. IV. 01. Iron arrow-head; slight barbs; long tang.

Kao. V. 012. Small bronze collar.

Wood.

Kao. V. 01. Comb; double-sided, coarse and fine.

Kao. V. 02-09. Pegs; sharpened at one end. Uigur characters on 02 and 07.

Kao. V. 014, 015. Fragments of combs.

Textiles.

Kao. V. 017. Two fragments of cotton (?) canvas with line of embroidered rosettes in dark blue.

Kao. V. 018. a-c. Three small silk fragments. (*a*) buff. (*b*) greenish-indigo. (*c*) dull crimson worked with scrolled floral pattern in dark crimson.

Kao. V. 019. Fragment of woollen tapestry showing large chrysanthemum leaves and stems; buff, brown and blue; faded; good work.

OBJECTS FROM YUTŌGH (Yut.)

Pottery.

Yut. 01-03. Fragments; 01, with chevron incised; pink-grey. 02, red-grey. 03, red-grey.

Wood.

Yut. 04. Fragment of lathe-turned finial (?).

Textiles.

Yut. 05. Lump of goat's hair, partly felted.

Yut. 06. Fragment of cotton (?) fabric, wrapped round lump of raw cotton and a pod (?).

OBJECTS FROM TOYUK (Toy.)

Pottery.

Toy. 01. Fragment; coarse; red.

Glass.

Toy. 03. Glass bead; spherical; black with white wavy lines.

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Toy. 038. Glass seal; oblong, surmounted by lion in Chinese style; no device; cast in two-piece mould.

Metal.

Toy. 055. Iron bell; probably cow-bell; clapper lost.

Toy. 063. Brass disc; hole in centre round which are placed the twelve animals of the months and the Chinese character representing each; *reverse*: rocks and animals.

Toy. 064. Brass ferrule.

Toy. 065. Brass bead with loop and ring at top.

Stone.

Toy. 02. Handle (?) for knife; pierced for tang of blade and bound with copper band; grey.

Wood.

Toy. 036. Ring; remains of paint and gilding.

Toy. 054. Fruit or bud; carved to show four petals; paper calyx; blue and scarlet paint.

Toy. 056. a, b. Pair of clogs, with string through one hole.

Toy. 057, 058. Two sticks with holes at ends and leather thong through one.

Toy. 059. Scale-beam.

Stucco.

Toy. 037. Hand; fingers curved; pink and traces of gilding; soft clay with hair.

Toy. 049, 050. Two men-at-arms in scale armour, the scales overlapping upwards; hood-like helmets with curtains to shoulders; white and red (discoloured to black).

Toy. 051-053. Three steeple-crowned hats as Ast. iii. 2. 017; black.

Toy. 061. Standing Bodhisattva; feet missing; robe, red (now black).

Eastern Group of Shrines.

Pottery.

Toy. III. 02. Fragment, with comb-drawn wave; grey.

Toy. III. 03. Fragment from rim; pink-grey.

Toy. III. 04. Base and part of side; grey.

Toy. III. 05. Base; grey.

Toy. III. 06. Base and part of side and lip; incised annular lines; grey; burnished.

Toy. III. 07. Fragment of rim; grey.

Toy. III. 08. Fragment of base (?) bevelled upper edge with incised chevrons and straight bisecting lines; flat upper and side surfaces with small punched rings; hard; black.

Toy. III. 09. From wall of vessel; incised wavy and annular lines; grey; fine.

Toy. III. 010. From shoulder and neck; grey; fine.

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Toy. III. 011. From spout; grey.

Toy. III. 012. Fragment with combed wave and annular lines; grey.

Toy. III. 013. Handle, angular; black surface.

Toy. III. 014. Handle, part of rim and wall of large vessel; grey.

Toy. III. 015, 016. Two fragments of bowl; grey; fine.

Toy. III. 017. From rim, grey, fine; polished.

Toy. III. 018. From wall of vessel; straight sided; loop-handle; burnished with vertical strokes of tool; grey; black surface, as Toy. III. 023.

Toy. III. 019. Mass of clay, pitted with deep round holes as if with finger; red; blackened on upper surface; hard.

Toy. III. 021. From wall of vessel; comb-drawn wave pattern and annular lines; burnished; thick; grey.

Toy. III. 023. Fragment of bowl; grey; polished and scraped vertically as Toy. III. 018.

Toy. III. 026-028. Fragments; grey.

Metal.

Toy. II. i. 02. Knife in sheath; straight blade, single-edged; channelled both sides near rounded back; tip rounded towards back; handle, black horn in two flukes laid on iron tang and riveted through; copper cap at end of handle through which tang passes and is beaten out, rivet-like. Sheath also contains two black chop-sticks; sheath of wood covered with black lacquered paper; silver mounts and iron ring for suspension.

Toy. III. 020. Fragment of iron implement; ferrule or "housing" for wooden handle; cast.

Wood.

Toy. I. ii. 01. Strip with traces of painting.

Toy. III. 022. Stopper, drum-shaped with two notches at opposite sides of upper edge; traces of red paint.

Toy. III. 035. Fragment of spoon; found with Textiles.

Stucco.

Toy. II. i. 03, 04. Fragments of human ears; traces of paint and gilding; clay with fibre.

Textiles.

Toy. I. ii. 03. d. Fragments of painting on silk; life-size face of Buddha (?) with "rainbow" halo.

Toy. II. 02. Woven string shoe; woven to shape, lined and bound with leather.

Toy. II. 03. Shoe; cloth, quilted; pointed toe; upper cut in two pieces, seamed over toe and joined with insertion at heel; remains of embroidery at toe; sole worked with clusters of string knots, very skilfully.

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Toy. II. 04. Fragment of string sandal.

Toy. III. 01. Two fragments of woollen pile carpet; pattern: obscure; colours; crimson, green, etc.

Toy. III. 033. Fragments of silk fabrics: pale blue and buff damasks of different geometrical diaper patterns; a buff damask with repeating pattern of large elliptical medallions with cloud-scroll border to rosette centre and simple pattern in spaces between repeats. Some of the fragments are made up into artificial flowers composed of layers of pieces cut into rosette-shaped whorls and sewn together through centre.

Toy. III. 034. Fragments of woollen and silk fabrics; including one of woollen rug; buff and crimson; one of woollen cord; one of plain grey silk; two of figured silk; patterns: obscure.

Paper.

Toy. I. ii. 03. a. Fragment with three Buddha figures seated in a row, variously coloured in dark red, dark and light green, vermilion and grey.

Toy. I. ii. 03. b. Fragment of block print; head of Buddha and scrolls.

Western Group of Shrines.

Glass.

Toy. IV. vi. 03. Glass bead; ribbed; pale blue, threaded on fine string.

Metal.

Toy. IV. vi. 04. Fragment of ornament cut in copper sheet; a curved band with two leaflets springing from the convex side.

Wood.

Toy. IV. vii. 04. Two fragments; strips with ribs; lacquered black.

Stucco.

Toy. IV. 07. Flying bird in low relief with wooden peg for attaching.

Toy. IV. 08. Branching tongues of cloud or flames from vesica border (?), vermilion, as Toy. IV. ii. 041-52.

Toy. IV. 09. Right arm, bent; with two armlets appliqué; vermilion; stick core.

Toy. IV. 010-016. Fragments of falling end of drapery with scroll at top; remains of paint and gilding.

Toy. IV. 017. Part of upper arm with armlet; pink and (armlet) gold.

Toy. IV. 018-023. Miniature skulls, each surmounted by pear-shaped cabochon jewel, point upwards; jewel and teeth, gilded.

Toy. IV. 024, 025. Cadavers; head and bust tapering below; no arms; traces of grey.

Toy. IV. 026, 027. Skulls surmounted by plaques of floral ornament; remains of paint and gilding.

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Toy. IV. 028-030, 033-039. Miniature skulls as preceding but without ornament.

Toy. IV. 040-044, 046-051. Ornaments; triangular plaques of conventional scroll-work and cabochon jewels from armlets; gilded over red; some blackened.

Toy. IV. 052-058. Bands composed of miniature skulls in low relief; white or pink.

Toy. IV. 059-061. Relief band, ribbed transversely; gilded.

Toy. IV. 062-065. Four fragments in form of tiger-claws, point upwards, resting in a sort of calyx; claw, red; calyx, gilded.

Toy. IV. 066. Four-pronged vajra rising from lotus.

Toy. IV. 067. Fan-shaped top-knot of hair or drapery; gilded.

Toy. IV. 068. Part of armlet; gilded.

Toy. IV. 069. Skull, as Toy. IV. ii. 056, 057, but crown flat and black.

Toy. IV. 070. Bunch of drapery hanging from jewel.

Toy. IV. 071. Two entwined flat bands ending in a foot-like member.

Toy. IV. 072-097, 099-0108, 0110-0113, 0115-0122. Fifty-one miniature masks; narrow and long; green, blue, red, yellow and flesh-colour; hair and contours, black; eyes, closed.

Toy. IV. 0123-0128. Jewels; elliptical cabochons surrounded by smaller jewels; gilded.

Toy. IV. 0129-0133. Rosettes, gilded.

Toy. IV. 0134-0136. Jewels; 0134, circular. 0135, heart-shaped. 0136, two circular and one pear-shaped above, all within raised borders; gilded.

Toy. IV. 0137-0140. Ends of drapery as Toy. IV. 010-016, but upper ends missing; gilded.

Toy. IV. 0141. Miniature vajra-head; central straight prong and three surrounding curved ones leaning towards centre; gathered together at base.

Toy. IV. 0142, 0143. Two miniature halberd-heads.

Toy. IV. 0144. Miniature mallet with stick handle; red.

Toy. IV. 0145. Fragment of arm; red; with bracelet, gilded.

Toy. IV. 0146. Fragment of band of pearl ornament; gilded, with white and green bands below.

Toy. IV. ii. 07. Right side of head showing ear and black hair; face mask lost; *cf.* Toy. IV. ii. 059, 061.

Toy. IV. ii. 08, 09. Two fragments of head similar to preceding but smaller.

Toy. IV. ii. 010. Fragment of lotus petal; gilded as Toy. IV. ii. 075.

Toy. IV. ii. 011-015. Five fragments from "monster". 011, part of eyeball. 012 tusk springing from red ridge of jaw. 013, claw. 014, fragment; bands of red and blue. 015, blue toe with white claw. All painted red and blue with a hard glazed surface.

Toy. IV. ii. 016. Left shoulder, breast and upper arm of female figure; white.

Toy. IV. ii. 017-033. Sixteen small feet and one pair; generally broken off in front of heel; red, white and blue; the red and blue slightly glazed, and hard.

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Toy. IV. ii. 034-040. Seven small hands with fingers curled towards palm; same colouring as preceding, with gold on bracelets.

Toy. IV. ii. 041-046, 048, 052. Fragments of branching flame; red; probably from vesica border.

Toy. IV. ii. 054. Fan-shaped hair (?) ornament with row of roundels at upper edge.

Toy. IV. ii. 055. Jewel; cross-shaped; long limb, of two square jewels and the four ends, each of a heart-shaped jewel.

Toy. IV. ii. 056, 057. Two relief skulls; white.

Toy. IV. ii. 058. Fragment of eyeball from large "monster's" (?) head; ball, red; iris, white; large pupil, glazed black with gilded spot in centre.

Toy. IV. ii. 059. Fragment of face-mask; lower half.

Toy. IV. ii. 060. Head; male; hair brushed straight up; burnt hard.

Toy. IV. ii. 061. Head; male; severe; strongly-marked features; prominent eyeballs; aquiline nose; broad, full jaw; a third eye in forehead; vermilion; face moulded separately as mask and fixed to core afterwards.

Toy. IV. ii. 062. Face-mask resembling preceding; black.

Toy. IV. ii. 063. Fragment of figure; left breast, shoulder and upper arm.

Toy. IV. ii. 064. Triple band; gilded.

Toy. IV. ii. 065. Fragment of face-mask as Toy. IV. ii. 061, 062, but smaller; vermilion.

Toy. IV. ii. 066. Fragment of ornament; gilded.

Toy. IV. ii. 067. Fragment of lotus petal; gilded.

Toy. IV. ii. 068. Fragment of drapery; red and green.

Toy. IV. ii. 069. Band; channelled; green and white.

Toy. IV. ii. 070, 071. Fragments of band; channelled; gilded.

Toy. IV. ii. 072. Fragment of curved diverging channelled band; gilded.

Toy. IV. ii. 073. Fragment of architectural character; white.

Toy. IV. ii. 074. Fragments of voluted, reeded flames from edge of vesica (?).

Toy. IV. ii. 075. Fragment of *padmāsana*; three pendent lotus petals with pointed tips and a pair of volutes curling inwards in continuation of the edges as they approach tip, the tip lying between the two volutes; petals gilded; background, green.

Toy. IV. ii. 076, 077. Votive reliefs of seated Buddha in niche with shouldered round arch; this design is impressed with a stamp in a pear-shaped lump of grey clay rounded at back and edges.

Toy. IV. ii. 079. Fragment of left hand; flat.

Toy. IV. ii. 080-092. Fragments of small arms; red, blue and pink; soft clay with stick core.

Toy. IV. ii. 095. Finger (?) or part of snake.

Toy. IV. ii. 096, 097. Fragments of snake (?); 096, with punch-marked scales; traces of paint.

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Toy. IV. ii. 098. Fragment slightly convex; with remains of gilded hoop ornament on white.

Toy. IV. ii. 099. Fragment slightly convex; white; with tip of crescent ornament; gilded.

Toy. IV. ii. 0100. Fragment of drapery; green.

Toy. IV. ii. 0101. Knob; traces of crimson and blue.

Toy. IV. ii. 0102. Jewel; elliptical convex jewel in centre with bead borders divided by oblong panels separated by straight bead bars.

Toy. IV. ii. 0103, 0104. Convex surface; white.

Toy. IV. ii. 0105. Miniature halberd-head in the "round"; gilded.

Toy. IV. v. 01. Fragment of dragon in low relief; dolphin-like body in high curve, crocodile jaw, broken; remains of paint and gilding.

Toy. IV. v. 02. Head of dragon; pair to preceding.

Toy. IV. v. 03. Head, male; broad face, bearded; top-knot projecting backwards.

Toy. IV. v. 04, 05. Parts of two hands; pink.

Toy. IV. v. 06, 07. Fragments of feet; dark grey with red soles.

Toy. VI. 083. Fragments of rippling hair; blue.

Toy. VI. 087. Head, male; surface nearly all gone; right eye survives and corner of mouth; red flesh, black hair, etc.

Textiles.

Toy. IV. iii. 01. Fragment of silk damask; pattern: small chequer; brown.

Toy. IV. vii. 03. a-c. Three fragments of silk fabrics; (*a*) block-printed pattern of peonies and other flowers cleverly drawn as an "all-over" pattern; faded, except black stems and leaves. (*b*) damask; lozenge spot; yellow. (*c*) strip, plain.

Paper.

Toy. IV. iii. 01. a. Fragment with part of wood-block impression; *reverse*: three lines of Uigur.

Toy. IV. iii. 01. b, c. Fragment in two pieces with rough sketch of legs, foot and part of tail of bird; *reverse*: several columns of Chinese text.

Toy. IV. iii. 02. Fragment with rough sketch of part of *padmāsana*, right arm and a few lines of drapery; *reverse*: large blotted Uigur characters.

Toy. IV. vi. 01. Several fragments covered with impression of seated Buddha under a canopy; crude.

Toy. VI. 089. Fragments with stamped impression of seated Buddha in dull red.

OBJECTS FROM OUTSIDE CAVE SHRINES viii, xii, BEZEKLIK (Bez.)

Stucco.

Bez. xii. 02. Fragment of head of monster; boldly modelled but much destroyed; red, black. white and gilding.

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Paper.

Bez. viii. 01. Fragments with diaper of seated figure on lotus: from block.

OBJECTS FROM MURTUK RUIN M. B. I. (M. B. I.)

Pottery.

M. B. I. 01. Upper part of jug with lip and part of handle.

M. B. I. 027. Small bowl; glazed apple-green inside, darker green outside; ring-base broken away; two black crosses within ring-base at bottom.

M. B. I. i. 01-017. Fragments; glazed brilliant turquoise.

M. B. I. iii. 02-010. Fragments of stoneware bowl with ring-base; glazed light blue; *circa* Sung period.

Metal.

M. B. I. i. 019. Bronze fragment, keel-shaped with two rivet-holes.

M. B. I. i. 020. Fragment of iron implement, shaped like tuning-fork.

M. B. I. iii. 013. Fragment of iron rod with group of three spirals branching from one end and welded to main stem.

M. B. I. v. 01. Iron razor with horn handle into which blade folds.

M. B. I. ix. 01. Iron awl in wooden handle.

Wood.

M. B. I. 019. Fragment of lathe-turned jar.

M. B. I. 026. Beater for butter-churn; four arms at right angles on end of a circular spindle.

M. B. I. iii. 01. Comb; double; coarse and fine.

M. B. I. iii. 011. Fragments of loom heddles (?) with loops of woollen string attached.

M. B. I. iii. 012. Stick bent into loop.

M. B. I. xi. 01. Peg, tapering, smoothly turned, with six rings incised on it.

M. B. I. xi. 02. Miniature half-baluster; lathe-turned and painted green, black and red.

M. B. I. xii. 03. Small lathe-turned finial; painted green and red.

Stucco.

M. B. I. 014. Ornament showing upper part of figure rising from lotus and holding at breast two long-stemmed lotus flowers; painted red; non-fibrous clay backed with fine fibrous and coarse fibrous mud.

M. B. I. 015-017. Three anthemion ornaments in low relief; 015, 016 joined.

M. B. I. vii. 01. Fragment of moulded band, cloud-scroll design; red; fibrous clay.

M. B. I. viii. 01. Fragment of moulded band as M. B. I. vii. 01.

M. B. I. xii. 01. Fragment having something the appearance of a bird's claw, closed; painted red; at back, impression of scroll ornament to which it has been attached.

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Textiles.

M. B. I. i. 022. Fragment of figured woollen fabric with conventional rosettes at intervals in alternate bands of blue and pink; pattern: obscure.

M. B. I, i. 023. Fragment of plain silk; green.

M. B. I. i. 024. Fragment of horse-hair (?) net; unfinished.

M. B. I. i. 025. Fragment of woollen fabric; gooa's hair; coarse; dark brown.

M. B. I. iii. 014. Fragment of felt; ten to twelve layers of paper thickness mixed with grass fibre; traces of paint and fine open-work fabric on top.

M. B. I. ix. 02. Embroidered silk bag; thick crimson satin embroidered with pear-shaped spots in blue, light green, apricot, yellow and peach-coloured silk, the threads laid on and couched round edges; the couching thread perhaps originally gold or silver; lining, pale blue and ends of purple silk handle or tie (lost).

Fibre and Grass.

M. B. I. xii. 04. Grass distemper-brush; bound with string.

Miscellaneous.

M. B. I. i. 021. Shrivelled fruit; apricot (?).

M. B. I. xi. 03. Horn knife-handle; *cf.* M. B. I. v. 01.

OBJECT FROM MURTUK SHRINE M. C. III.

Stucco.

M. C. III. 018. Fragment of figure; head and shoulders; garment crossing breast with traces of three layers of paint, red-brown, pink and green; a patch of blue under left arm and traces of gilding.

OBJECTS FROM SASSIK-BULAK.

Stucco.

Sassik-bulak 001, 002. Two votive clay reliefs, pear-shaped, with impressed stamp of figure of seated Buddha.

OBJECTS FROM RUINED SHRINE OF PEI-TING SITE (Hu.)

Pottery.

Hu. 012. Moulded brick; fret pattern in relief, between raised borders; grey.

Hu. 013. End of antefixa with Gorgon head in relief, under-lip drawn in between teeth.

Hu. 014. Fragment of moulded brick; ornamented on face with floral design in relief.

Metal.

Hu. 016. Fragments of iron wire.

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Stucco.

Hu. 01. Fragment of face, ears and top of head missing; small features; dreamy eyes; flesh light, lips red; fibrous clay.

Hu. 02. Group of two fat-tailed sheep fighting or playing with each other and nuzzling with their noses on each other's shoulders; iron-wire core; accidentaly burnt; well modelled.

Hu. 03, 04. Two fingers; long nails; burnt.

Hu. 05. Buddha head; eyes, oblique; hair not modelled in detail; burnt.

Hu. 06. Lower part of richly draped figure; large hole at back with charred wooden dowel; traces of paint, green, blue and white; burnt.

Hu. 07. Female or boy's head; skull, egg-shaped, with traces of paint suggesting head-covering; small featured; eyes, closed; burnt.

Hu. 08. Male head with prominent eyes and fleshy nose and mouth; smiling; much character; burnt.

Hu. 010. Pedestal for small statuette; oblong; traces of painted scroll decoration; hard; grey.

Hu. 011. Eight-petalled rosette in high relief; burnt.

Hu. 017. Woman's head, as Hu. 07; oblique eyes and crooked mouth; stick core; burnt.

OBJECTS FROM YĀR-KHOTO (Y. K., Yar.)

Metal.

Y. K. i. 001. Cast bronze knife-handle or sheath (?) in two halves, pointed at one end; fine floral scroll-work in low relief; iron rivet near pointed end; one half broken and part missing.

Wood.

Y. K. 0013. b. Square pyramid; flat top; hole vertically pierced through centre; red and black paint.

Stucco.

Yar. 01. Fragment of mould for tile; bead border and acanthus foliage.

Y. K. 001. Front of neck of colossal figure; gilded red clay with fibre, backed with grey clay and straw.

Y. K. 002. Right ear; lobe, broken; gilded; clay with fibre.

Y. K. 003. Fragment probably from Y. K. 001.

Y. K. 008. Votive stupa model; top lost.

Y. K. iv. 001. Face of Buddha; colossal; pink; eyeballs white; holes for pupils, originally probably inlaid; soft clay with fibre; much damaged.

Y. K. iv. 002. Forearm and hand to knuckles; bracelet; soft clay with fibre; stick core.

Y. K. iv. 003. Seven "snail-shell" curls of hair; black; soft clay.

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Y. K. iv. 004. Fragment of drapery; red; soft clay with straw.
Y. K. iv. 005. Left ear, elongated lobe (broken); pink.
Y. K. iv. 006. a-f. Six fragments, gilt.

OBJECTS FROM ASTĀNA CEMETERIES (Ast.)

Pottery.

Ast. 07. Saucer, grey.

Glass.

Ast. 02. Six glass beads; blue, green and yellow.

Wood.

Ast. 01. Food-tray; shallow, oblong, with slightly curved sides, rounded corners and narrow fish-tail-shaped projections at ends for carrying; lacquered red with central rectangular space in black.

Paper.

Ast. 08. Flag made of several thicknesses of Chinese MS. paper pasted together and painted with horizontal stripes of black and white; one edge pasted to a stick.

From Group i.

Pottery.

Ast. i. 1. 03, 06. Two jars, grey body, painted in tempera black with coarse design of lotus motif in grey outline with red and white "pearls" following the main lines of the design. All the pottery of this type was evidently made for sepulchral use only.

Ast. i. 2. 04. Bowl; decoration as Ast. i. 1. 03 and band of pearls round rim.

Ast. i. 3. 014, 016, 018. Bowls; decoration as Ast. i. 1. 03; some containing traces of food.

Ast. i. 3. 020. Bowl, as Ast. i. 2. 04 but without pearl band at rim.

Ast. i. 4. 09, 011. Jars, decorated as Ast. i. 1. 03.

Ast. i. 4. 010. Bowl; decorated as Ast. i. 2. 04.

Ast. i. 4. 012. Object in form of short leg and hoof; painted with tempera black.

Glass.

Ast. i. 3. 07. Seven glass beads; blue and green.

Metal.

Ast. i. 3. 06. Three Chinese coin-shaped silver discs, drilled at edges for threading as ornaments.

Ast. i. 3. 012. Thin silver plates, two crescents and five pear-shaped; drilled for threading.

Ast. i. 3. 013. Thin strip of gold.

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Ast. i. 3. a. 04. Silver spectacles from face of body with portion of silk face-cloth; *see* Ast. i. 3. b. 03; edges not drilled.

Ast. i. 3. b. 03. Silver spectacles from face of body; made in one piece and consisting of two pear-shaped shields rather like spoon-bowls but with flat edges; joined by a straight bridge; bowls have a number of small holes like a strainer and the flat edges are covered with silk sewn on through tiny holes drilled in the silver.

Ast. i. 5. 04. Silver spectacles as preceding.

Ast. i. 5. a. 02. Silver spectacles as preceding.

Ast. i. 6. 07. Silver spectacles as preceding.

Ast. i. 8. 05. Small pair of steel scissors made in one piece, the blades being connected by a coiled steel bridge like modern Indian shears; round blades, a piece of crimson silk with rosette spot pattern.

Wood.

Ast. i. 2. 05. Food bowl; lathe-turned.

Ast. i. 2. 06. Duck, painted.

Ast. i. 4. 01. Jar, lathe-turned; solid except for slight bowl-shaped depression at top; painted with tempera, black and as Ast. i. 1. 03.

Ast. i. 4. 02, 08. Two lathe-turned globular bowls; solid, with shallow depression within mouth; traces of decoration as Ast. i. 1. 03.

Ast. i. 4. 03-07. Lathe-turned bowls, solid with depression within mouth; decoration as Ast. i. 1. 03.

Ast. i. 5. 07. Fragment of comb.

Ast. i. 6. 06. Cylinder, as in hand Ast. i. 6. 05 wrapped in decayed figured silk.

Ast. i. 7. 08. Slab painted as lower part of building; perhaps castle wall; with pair of bolt-studded doors and pair of large ring handles painted on in black.

Ast. i. 7. 09, 010, 012, 013, Parts of miniature wooden railing, painted.

Ast. i. 7. 011. Fragment of miniature pedestal; vermilion, green and white.

Stucco.

Ast. i. 7. 07. Head of demon with oblique bulging eyes; painted.

Ast. i. 7. 014. Humped bull; standing; legs lost but wooden core on one remains; pale blue.

Ast. i. 8. 08. Head of woman in the round from large figure; lower half Indian, upper half Chinese; well modelled; painted.

Textiles.

Ast. i. 1. 01. Fragment of figured silk from face-cover; Sasanian type of pattern; design: pearl-bordered discs containing symmetrical tree; colours; buff, blue, green and yellow.

Ast. i. 1. 02. Fragments of painted silk from shroud or hanging.

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Ast. i. 1. 02. a. Fragment of silk damask; design: diaper of elongated hexagons blue; discoloured.

Ast. i. 1. 08. Fragments of plain silk; buff, blue and red.

Ast. i. 1. 09. Fragment of silk; striped shaded blue and yellow.

Ast. i. 1. 010. Fragment of damask; blue; with quatrefoil rosettes.

Ast. i. 1. 011. Fragment of figured silk; blue ground with blue, buff and green rosettes alternately circular and lozenge.

Ast. i. 2. 03. Fragments of silk hanging; painted; from subject, Fu hsi and Nu-wa, *cf.* Ast. ix. 2. b. 012.

Ast. i. 3. a. 01. Fragment of figured silk from face-cover; design: Sasanian type; shows part of pearl bordered medallion with fine stag's head within; and top of tree; in "spandril" between medallions, stylised floral scroll-work round circular centre; very fine work; colours: dark blue, buff, green and yellow.

Ast. i. 3. a. 02. Fragments of plain blue silk from frill of preceding face-cover.

Ast. i. 3. a. 03. Fragments from Ast. i. 3. a. 01; plain; snuff brown.

Ast. i. 3. b. 01. Figured silk from face-cover; design: Sasanian type bi-symmetrical vine in pearl-bordered medallion.

Ast. i. 3. b. 02. Small oblong case; silk damask; containing lead.

Ast. i. 5. 03. Figured silk face-cover; design: Sasanian type; a finely designed boar's head in pearl-bordered medallion; colours: buff, yellow and blue; many have probably faded to buff.

Ast. i. 5. 05. Silk frill, plain, from face-cover Ast. i. 5. 03.

Ast. i. 5. a. 01. a-c. Figured silk band with "all-over" large lozenge lattice with cross in each lozenge space, each limb of cross ending in a solid lozenge; faded to buff and brown. Lining of thin plain silk and a thick evenly woven silk, yellow, with broad bands of pink and other forms not clear. Also a very elaborate damask with large pattern of cloud-scroll arcading supported on fret piers; pairs of dragons and other forms of great interest; pale green.

Ast. i. 5. b. 01. Fragments of figured silk face-cover; crumbling to dust; pattern: Sasanian type but Chinese work; a central "tree" with confronting ducks and right and left a floating disc (cloud ?) with trailing "roots," all within circular pearl border; colouring uncertain; blue and buff recognisable.

Ast. i. 6. 01. Fragment of figured silk from face-cover; design: boar's head as Ast. i. 5. 03, but smaller; faded.

Ast. i. 6. 02. Mass of silk fragments from body and dust of painted shroud; colours of paint, red, black and white.

Ast. i. 7. 01. Printed silk fragment; pattern: large and small rosettes, leaves and stems; colours; pink, blue and blue-green, on yellow ground.

Ast. i. 7. 03. Fragment of silk damask; design: pairs of birds and trailing foliage arranged to form a sort of lozenge-lattice; bronze-colour.

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Ast. i. 7. 04. Silk gauze; lozenge pattern; yellow.

Ast. i. 7. 05. Fragments of silk damask in yellow and pale green; design: a lozenge jewel and a pair of confronting geese supporting rosette.

Ast. i. 7. 06. Fragments of figured silk; pattern: repeating large and small elaborate rosettes; discoloured to fine brown.

Ast. i. 8. 01. Fragment of figured silk; pattern: lotus rosettes with vertical stems; colours now buff and blue.

Ast. i. 8. 02, 03. Fragments of figured silk; pattern: small blue rosettes in a row outlined pale yellow on rich yellow ground; variously coloured bands above and below; colours well preserved; fabric very brittle.

Ast. i. 8. 04. Fragment of canvas painted in tempera, in imitation of brocade.

Ast. i. 8. 06. Head-net made of open-mesh string canvas with remains of black pigment all over.

Ast. i. 8. 07. Fragment of plain white silk.

Fibre and Grass.

Ast. i. 5. 06. Fragments of closely plaited fibre cord; very brittle.

Ast. i. 7. 02. Fragment of basket-work, plain slewed grass on string "stakes"; piece of yellow damask adheres to one side.

Ast. i. 8. 010. Straw figure of man dressed in long-sleeved coat of woollen canvas.

Miscellaneous.

Ast. i. 6. 05. Human right hand clasping cylindrical block of wood wrapped in silk, as Ast. i. 6. 06.

Ast. i. 8. 09. Small man made of dough; standing with hands together.

From Group ii.

Pottery.

Ast. ii. 2. 022, 023. Two tazzas; grey; painted with black tempera.

Wood.

Ast. ii. 1. 04. Five long sticks with scraps of silk; flags.

Ast. ii. 1. 06. Figure of man; standing; dressed in long wide blue trousers, black shoes and white jacket; arms made separately and pinned on; painted with tempera.

Ast. ii. 1. 07. Ladle with long handle hooked at end; characteristic Han shape; *cf.* painting Ast. vi. 3. 05.

Ast. ii. 1. 08. Oblong piece; part of some object not recognized; on one side is pasted piece of blue and white silk like Ast. ii. 1. 015; painted partly buff.

Ast. ii. 1. 09. Shaped stick; part of model carriage (?); painted blue and pink.

Ast. ii. 1. 010. Shaped piece; perhaps from model carriage; partly covered with silk like Ast. ii. 1. 015.

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Ast. ii. 1. 011. Leg of cow, roughly cut.

Ast. ii. 1. 012, 013. Two wheels from model of carriage; rims and three spokes only of 012; painted black with decoration in red, white and blue.

Ast. ii. 1. 023-026. Four pegs with face rudely drawn in ink at top and Chinese characters below; *cf.* T. 002 etc.

Ast. ii. 2. 01. Lacquered food tray; black; made in two halves; *cf.* Ast. 01.

Ast. ii, 2. 02. Seven willow twigs and fragments of silk muslin attached; banners (?).

Ast. ii. 2. 03. Lug from bowl with bronze plate for repair; *cf.* Ast. ii. 2. 021.

Ast. ii. 2. 04. Fragment of comb.

Ast. ii. 2. 05. Figure of woman roughly cut; long skirt; painted blue and white.

Ast. ii. 2. 06, 07. Figures of men, roughly cut; 06, blue coat to knees; wide white trousers; arms made separately and pegged; 07, white coat and blue trousers.

Ast. ii. 2. 08-010. Three legs of cow; standing; holes for pinning to body; painted white and black.

Ast. ii. 2. 011. Shaped piece like Ast. ii. 1. 010; traces of white paint.

Ast. ii. 2. 012. Strip; painted partly blue with black lines.

Ast. ii. 2. 013. Shaped piece like Ast. ii. 1. 09.

Ast. ii. 2. 014. Piece, oblong; painted red with wavy black line and green spots.

Ast. ii. 2. 015. Four sticks tied together with string.

Ast. ii. 2. 016. Shaped piece.

Ast. ii. 2. 017. Shaped piece almost like Ast. ii. 1. 09.

Ast. ii. 2. 018-020. Pair of wheels from model of carriage, like Ast. ii. 1. 012, 013.

Ast. ii. 2. 021. Elliptical bowl with side lugs, one repaired in antiquity; lacquered black over canvas.

Textiles.

Ast. ii. 1. 014. Fragment of padded garment from breast of body; patchwork, plum coloured, red, blue and blue printed, as Ast. ii. 1. 015.

Ast. ii. 1. 015. Fragments of silk, plain buff and blue with white spot rosettes by "resist" process.

Ast. ii. 1. 020. Pair of miniature cuffs or sleeves of buff canvas, with bands of blue and white spotted silk as preceding.

Ast. ii. 1. 021. Fragment of small padded bag or cushion-cover of patchwork of printed silks, brown, red and blue, of same kind as Ast. ii. 1. 015.

Ast. ii. 1. 022. Pair of model shoes of figured silk; sole of four layers of canvas; figured silk, crimson ground, cloud and beast pattern (very stylised) in yellow, buff and white.

Paper.

Ast. ii. 1. 01+03. Fragments of painting; subject: similar to that of Ast. vi. 3.05, but differently arranged; principal figure is on a rug and the cup-bearing attendant has no

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ladle in right hand but presents cup with the left as in the other painting. Behind principal figure is a clothes-horse like Ast. vi. 4. 027, 028 and further to left where culinary arrangements and two attendants are, may be seen a food-tray with fish-tail handles like Ast. 01 and Ast. vi. 3. 010. The figures have each a curious thin wire-like wing or ear at each side of the face; colours: red, green and grey.

Ast. ii. 1. 02. Fragment with scroll in grey.

Ast. ii. 1. 05. a-c. Three lozenge-shaped fragments.

From Group iii.

Wood.

Ast. iii. 2. 05-09. Five slips, from railing, as Ast. iii. 4. 041-045, painted white with drifting clouds in blue, green and red.

Ast. iii. 2. 056. Chalice; black, with mountain, trees, clouds, etc., in white outline.

Ast. iii. 3. 05. Comb.

Ast. iii. 4. 018. Shaped object, painted and ornamented.

Ast. iii. 4. 019. Core of tassel.

Ast. iii. 4. 020. Lathe-turned tazza.

Ast. iii. 4. 021, 029-031, 033. Fragments of pedestal, which presented open sides, the opening having elliptically rounded ends and cusped upper and lower sides; corners mitred and glued; painted black with drifting palmette-cloud designs in white outline; *cf.* painting Ast. iii. 4. 010. a, and wooden miniature Ast. iii. 4. 052.

Ast. iii. 4. 024-026. Three miniature bases of railing-posts; *cf.* Ast. iii. 4. 027.

Ast. iii. 4. 027, 041-045. Parts of post and slab miniature railing; posts of square section with simple caps and bases; rail between caps and panel-like slabs below rail; painted crimson, yellow, emerald-green and white; panels 041-045, have drifting cloud palmettes painted on them.

Ast. iii. 4. 035, 039, 040. Miniature bridge or gangway with side balustrades similar to preceding: *cf.* gangways shown in Ch. painted silk banners representing Buddhist heaven.

Ast. iii. 4. 036. Four strips connected by band of paper; part of some model object, painted red, blue and green.

Ast. iii. 4. 037. Strip similar to preceding.

Ast. iii. 4. 038. Balustrade from miniature bridge, as Ast. iii. 4. 035, etc.

Ast. iii. 4. 046, 051. Half of miniature arch; red and white, with black saw-tooth ornament on white.

Ast. iii. 4. 047-050, 055, 060. Pieces of various shapes from architectural models; painted.

Ast. iii. 4. 052-054. Fragments of miniature pedestal of same type as Ast. iii. 4. 021, etc.

Ast. iii. 4. 056-059. Three small posts from balustrade.

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Ast. ii. 1. 011. Leg of cow, roughly cut.

Ast. ii. 1. 012, 013. Two wheels from model of carriage; rims and three spokes only of 012; painted black with decoration in red, white and blue.

Ast. ii. 1. 023-026. Four pegs with face rudely drawn in ink at top and Chinese characters below; *cf.* T. 002 etc.

Ast. ii. 2. 01. Lacquered food tray; black; made in two halves; *cf.* Ast. 01.

Ast. ii, 2. 02. Seven willow twigs and fragments of silk muslin attached; banners (?).

Ast. ii. 2. 03. Lug from bowl with bronze plate for repair; *cf.* Ast. ii. 2. 021.

Ast. ii. 2. 04. Fragment of comb.

Ast. ii. 2. 05. Figure of woman roughly cut; long skirt; painted blue and white.

Ast. ii. 2. 06, 07. Figures of men, roughly cut; 06, blue coat to knees; wide white trousers; arms made separately and pegged; 07, white coat and blue trousers.

Ast. ii. 2. 08-010. Three legs of cow; standing; holes for pinning to body; painted white and black.

Ast. ii. 2. 011. Shaped piece like Ast. ii. 1. 010; traces of white paint.

Ast. ii. 2. 012. Strip; painted partly blue with black lines.

Ast. ii. 2. 013. Shaped piece like Ast. ii. 1. 09.

Ast. ii. 2. 014. Piece, oblong; painted red with wavy black line and green spots.

Ast. ii. 2. 015. Four sticks tied together with string.

Ast. ii. 2. 016. Shaped piece.

Ast. ii. 2. 017. Shaped piece almost like Ast. ii. 1. 09.

Ast. ii. 2. 018-020. Pair of wheels from model of carriage, like Ast. ii. 1. 012, 013.

Ast. ii. 2. 021. Elliptical bowl with side lugs, one repaired in antiquity; lacquered black over canvas.

Textiles.

Ast. ii. 1. 014. Fragment of padded garment from breast of body; patchwork, plum coloured, red, blue and blue printed, as Ast. ii. 1. 015.

Ast. ii. 1. 015. Fragments of silk, plain buff and blue with white spot rosettes by "resist" process.

Ast. ii. 1. 020. Pair of miniature cuffs or sleeves of buff canvas, with bands of blue and white spotted silk as preceding.

Ast. ii. 1. 021. Fragment of small padded bag or cushion-cover of patchwork of printed silks, brown, red and blue, of same kind as Ast. ii. 1. 015.

Ast. ii. 1. 022. Pair of model shoes of figured silk; sole of four layers of canvas; figured silk, crimson ground, cloud and beast pattern (very stylised) in yellow, buff and white.

Paper.

Ast. ii. 1. 01+03. Fragments of painting; subject: similar to that of Ast. vi. 3.05, but differently arranged; principal figure is on a rug and the cup-bearing attendant has no

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ladle in right hand but presents cup with the left as in the other painting. Behind principal figure is a clothes-horse like Ast. vi. 4. 027, 028 and further to left where culinary arrangements and two attendants are, may be seen a food-tray with fish-tail handles like Ast. 01 and Ast. vi. 3. 010. The figures have each a curious thin wire-like wing or ear at each side of the face; colours: red, green and grey.

Ast. ii. 1. 02. Fragment with scroll in grey.

Ast. ii. 1. 05. a-c. Three lozenge-shaped fragments.

From Group iii.

Wood.

Ast. iii. 2. 05-09. Five slips, from railing, as Ast. iii. 4. 041-045, painted white with drifting clouds in blue, green and red.

Ast. iii. 2. 056. Chalice; black, with mountain, trees, clouds, etc., in white outline.

Ast. iii. 3. 05. Comb.

Ast. iii. 4. 018. Shaped object, painted and ornamented.

Ast. iii. 4. 019. Core of tassel.

Ast. iii. 4. 020. Lathe-turned tazza.

Ast. iii. 4. 021, 029-031, 033. Fragments of pedestal, which presented open sides, the opening having elliptically rounded ends and cusped upper and lower sides; corners mitred and glued; painted black with drifting palmette-cloud designs in white outline; *cf.* painting Ast. iii. 4. 010. a, and wooden miniature Ast. iii. 4. 052.

Ast. iii. 4. 024-026. Three miniature bases of railing-posts; *cf.* Ast. iii. 4. 027.

Ast. iii. 4. 027, 041-045. Parts of post and slab miniature railing; posts of square section with simple caps and bases; rail between caps and panel-like slabs below rail; painted crimson, yellow, emerald-green and white; panels 041-045, have drifting cloud palmettes painted on them.

Ast. iii. 4. 035, 039, 040. Miniature bridge or gangway with side balustrades similar to preceding: *cf.* gangways shown in Ch. painted silk banners representing Buddhist heaven.

Ast. iii. 4. 036. Four strips connected by band of paper; part of some model object, painted red, blue and green.

Ast. iii. 4. 037. Strip similar to preceding.

Ast. iii. 4. 038. Balustrade from miniature bridge, as Ast. iii. 4. 035, etc.

Ast. iii. 4. 046, 051. Half of miniature arch; red and white, with black saw-tooth ornament on white.

Ast. iii. 4. 047-050, 055, 060. Pieces of various shapes from architectural models; painted.

Ast. iii. 4. 052-054. Fragments of miniature pedestal of same type as Ast. iii. 4. 021, etc.

Ast. iii. 4. 056-059. Three small posts from balustrade.

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Stucco.

Ast. iii. 2. 010. Head, neck and hat of man on wooden sticks for body; arms of rolled up Chinese MS. paper; all clothing lost; well modelled and painted.

Ast. iii. 2. 012, 013. Figures of equestrians, modelled with legs bowed to fit over saddle and a wooden peg projecting from below to fit corresponding hole through saddle of horse; costume, loose trousers, long-skirted coat, top-boots and high club-shaped hat; painted. 013, seems to have short boots and gaiters.

Ast. iii. 2. 014, 015, 020, 021. Horses for riders such as Ast. iii. 2. 023 and having hole down through saddle to take wooden pin projecting from below rider. The horses are of T'ang type, thick-set and with slim legs. Tails were of real hair, generally missing; saddle, high in front; *numdah*, sometimes tiger-skin; on both sides of saddle are five painted black straps; these seem to have no purpose and are perhaps a survival of some formerly necessary harness and are found in most representations of horses of the T'ang period; *see* Chavannes, *Mission Archæl.* Pl. CCXC, No. 44; and on the goat ridden by a "boy Rishi" in Bushell, *Chinese Art*, ii. figure 126. Head-stall and single rein, no girth shown; breast-band and crupper from which hang tassels or similar ornaments. Stick cores to legs.

Ast. iii. 2. 017. Steeple-crowned hat with flat brim and remains of silk binding round edge, probably remains of veil; *cf.* Toy. 051-053.

Ast. iii. 2. 019. Pair of legs of warrior as Ast. iii. 2. 023, 024.

Ast. iii. 2. 022. Figure of equestrienne in astride pose; dressed in trousers, bodice with V-shaped neck and short sleeves, long loose under-sleeves, black shoes. Steeple-crowned hat probably belongs to this, the top-knot having been pared down in antiquity after painting, to fit this or some other head-gear.

Ast. iii. 2. 023, 024. Warriors in riding pose, dressed in scale armour and originally probably holding lance or banner; made with wooden peg to fit to horse; parts lost.

Ast. iii. 2. 048. Goat-headed standing figure, in long robe, hands muffled in sleeves on breast; stick core.

Ast. iii. 2. 049, 050. Headless figures with hands at breast clasping slip of bamboo; long coat, belted, leopard-skin gaiters and black shoes; stick core.

Ast. iii. 2. 058. Horse; mouth open showing tongue and teeth; mane of real hair; gaily painted saddle and *numdah*; remains of five straps on each side of saddle; well modelled and painted.

Ast. iii. 2. 059. Protective demon of T'u-kuei type sitting on haunches, mouth open and forelegs (paws missing) firmly planted; erect feather-like tail and suggestion of wings in narrow plumes of wood stuck in at shoulders; body, lion-like; hind feet are cloven hoofs; body painted orange-red and pink with green spots; interior of mouth showing teeth and tongue carefully and cleverly modelled.

Ast. iii. 4. 014. Model of bowl on stand; perhaps small model, for horse's food.

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Ast. iii. 4. 015. Model of bactrian camel, standing with neck thrown back and head in air; left foreleg missing.

Ast. iii. 4. 064. Female figure dressed in close sack robe, red-brown striped black; short-sleeved vermilion bodice; green stole hanging round shoulders and down to below knees; coiffure, high horn-like, projecting forward; face with pink flush; wooden core.

Ast. iii. 4. 072. a, b. Pair of figures, head and neck in very fine stucco carefully painted; bodies, long sticks; one is a man, the other a woman or youth; each wears cap with club-shaped lobe above, as seen in many of the Ch. silk paintings.

Ast. iii. 4. 073. Figure of man; head and neck only; body of wooden sticks as preceding and intended to be covered with actual cloth garments; very humourous rather coarse face; lobed cap on head; clever modelling.

Textiles.

Ast. iii. 2. 01. Silk gauze, sewn into conical tube and knotted at end; design: lozenge diaper; buff.

Ast. iii. 2. 02. Silk veiling; loosely woven; square diaper; buff.

Ast. iii. 2. 03. Fragment of figured silk; green with rows of flowers and buds with pink worked into them; fragment of crimson silk lining.

Ast. iii. 2. 04. Fragment of silk; white; painted with broad black bands and remains of drifting cloud.

Ast. iii. 2. 051. Cotton canvas bag; pair of pockets; painted with long wavy lines in black; chaff in pockets.

Ast. iii. 2. 055. Small caul (?) of woven fibre with strip of wood at edge; lacquered black on both sides.

Ast. iii. 3. 02. Fragment of silk muslin; yellow; with spot rosette pattern of peculiar technique; the threads where spot occurs seem to be slightly expanded as compared with ground but of exactly the same weave.

Ast. iii. 3. 03. Fragments of silk; crimson; corded.

Ast. iii. 3. 04. Fragments of silk; white; fine.

Ast. iii. 4. 01. Silk tubular object; yellow and pink "herring-bone" twill.

Ast. iii. 4. 02. Three silk artificial leaves; green; stalk of gummed silk bound with floss silk.

Ast. iii. 4. 03. a. Two silk sleeve-like objects; white.

Ast. iii. 4. 03. b. Fragment of silk painted with bough of white blossoms with calyx; two blossoms falling from bough.

Ast. iii. 4. 05. Fragment of silk with traces of painting in white with brown outlines.

Ast. iii. 4. 06. Fragment of silk damask; pale yellow; lozenge diaper; twill "tabby".

Ast. iii. 4. 07. Fragment of silk; plain; white.

Ast. iii. 4. 09. Fragment of silk "sleeve" in miniature; rosettes painted on in red, blue and green with black outlines.

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Ast. iii. 4. 010. a-j. Mass of fragments of silk bolting with painting of *genre* figure subjects, incomplete. They form part of scroll (*chuan or makimono*) edged with buff silk damask and subjects divided from each other by strips of the same pasted on. (For an account of the relation of this painting to other remains of T'ang pictorial art, the original arrangement of the panels, etc.; see "*Remains of a T'ang Painting discovered by Sir Aurel Stein, described by Laurence Binyon*", Burlington Magazine, June 1925.)

The style of painting recalls irrestibly Japanese work in so far as the precision of craftsmanship is concerned. All the work is clean-cut and decisive. There is no background, but trees near the figures are introduced perhaps to indicate open air. Birds flying and blossoms falling serve the same purpose; but there is no perspective, no atmosphere and these accessories are dry and hard.

The figures are, however, very human in an unemotional placid way. The faces are pale pink, perhaps white, delicately tinted on cheek and eyelids with an artificial blush. The eyes are long and narrow and in the attendants more oblique than in the "quality".

The coiffures are elaborate but very neat and precise. One person is holding in her hand an object which resembles a jewelled toupee. The ladies appear to affect a turban-like arrangement with a knot in front (resembling the toupee referred to) and a long double-barred gold pin on the right side. Attendants have the hair parted in the middle and folded in sleek bundles over the ears, which are covered. One person has what looks like a long wolf's tail all over the head and hanging on the left shoulder. Two evidently superior persons have a blue cloth projecting in a loose round fold above the forehead from the back of the "turban".

The dress of attendants is a single loose overall reaching to ankles, with long sleeves, simple, round neck-opening and narrow belt. The ladies wear a long trailing robe held up from the high waist-band by braces passing generally over a loose mantle. This drapes the shoulders with a V-opening in front, from which issues a white fichu or kerchief, falling in trumpet folds to a point about waist level. All drapery is simply drawn and is very graceful. A darker tint is used to express folds, which are also indicated by black contour lines. A small spot pattern is frequently introduced all over the draperies. Foliage on trees is in two tints of green, dark and light, and every leaf is outlined with black. The dark green is the outer plane, and the light the under.

A *tilaka* of various forms is painted in red on all faces and always a crescent in red beside each eye; *cf.* clay model Ast. iii. 2. 022.

All the colours, which are opaque, are perfectly fresh and the harmony is charming. Some of the pigments appear to have had a corrosive effect on the silk as frequently the outlines of missing pieces are accurately left. Black outlines are often softened by a grey line below or beside.

Ast. iii. 4. 011. Fragments of painted silk similar in character to K. K. I. i. b. 01.

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Paper.

Ast. iii. 3. 01. Fragment in two pieces with traces of Chinese writing.

Ast. iii. 4. 04. Fragment cut into a continuous string of "cash", attached to the waste part from which another string has been cut.

Ast. iii. 4. 08. Fragment, painted; ground red with spots of blue and green forming rosettes.

Miscellaneous.

Pastry probably for sepulchral purpose, made of a special paste; the forms are remarkable for their state of preservation and for their very modern style:—

Ast. iii. 1. 01-010, 012. Short bars like "cheese-straws".

Ast. iii. 1. 013-017, 019, 020, 043-065, 095. Thin wafers composed of fine strips coiled flat and impressed with a rayed border.

Ast. iii. 1. 021-023, 025, 070. Tartlets of various rosette patterns, some very elaborate, with traces of fruit (jam ?) in centre.

Ast. iii. 1. 026-029. Bun, round, divided in four by two cross-cuts, like scones, with layer of darker matter (sugar ?) sandwiched inside.

Ast. iii. 1. 030-033, 035, 039-041, 084-086, 094. Bow-knot "twists".

Ast. iii. 1. 066, 067, 069. Open-work puff pastry in form of double palmette; apparently stamped out with a cutter.

Ast. iii. 1. 071-082. Cracknell or shortbread cubes with layer of jam (?) inside.

Ast. iii. 2. 030-032. "Twists"; spirals.

Ast. iii. 2. 033-035. Bow-knot "twists".

Ast. iii. 2. 039-041, 043, 044. Tartlets as Ast. iii. 1. 021, etc.

Ast. iii. 2. 045, 046. Tartlets, mushroom-shaped with funnel-shaped centres for "jam".

Ast. iii. 4. 065-067, 071. Fragments of pastry.

Ast. iii. 4. 068-069. Tartlets in form of dish of fruits.

Ast. iii. 4. 070. Tartlet.

Ast. iii. 4. 072. Quantity of flour in paper bag.

Ast. iii. 1. 088-093. Six black grapes.

Ast. iii. 2. 026-029. Four black grapes.

From Group v.

Pottery.

Ast. v. 06. Small saucer; grey; painted tempera-black.

Textiles.

Ast. v. 1. 01. Fragments of silk face-cover with dark blue plain frill; pattern: Sasanian type; pearl-bordered medallion with pair of adorsed beasts of which four claw-feet

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and part of neck of one remain; in spaces, angular pattern of berries on scrolled-stem; colours: blue, buff, white, green and yellow.

Ast. v. 1. 02. Fragments of painted silk shroud; indigo ground; subject: as in Ast. ix. 2. b. 012, *q. v.*

Ast. v. 1. 05. Fragment of plain silk; dark blue.

Ast. v. 2. 01. Fragment of figured silk; pattern: Sasanian type; portions of two medallions, one above the other; upper, a pair of confronting phœnixes or cockatrices; lower, a pair of confronting, seated, winged lions, with foliate, upraised tails; in spaces between medallions: above, pairs of confronting regardant deer; below, pairs of confronting sheep (?); borders of medallions, closely set fleur-de-lis pointing outward, with pearls between points; colours: ground, brilliant red; field of medallions, green; other colours, blue, yellow, green and white; all well preserved in parts; strong weaving.

Ast. v. 2. 03. Fragment of plain white silk from border of face-cover Ast. v. 2. 01.

Ast. v. 2. 04. Fragment of plain white silk from woman's shroud.

Paper.

Ast. v. 1. 03. Pair of large shoes, painted black; made of old MS. paper with a few Chinese characters with heading "Wu pei mên"—Military North Gate—and dated the seventh day of the ninth moon of the ..... year. On the sole, references to the works of the Taoist writer, Pao P'o Tzu of the 3rd to 4th century A. D. (Read by Dr. Lionel Giles).

Ast. v. 1. 04. a. Two fragments of band, black with string of red and buff lozenges pasted on.

Ast. v. 1. 04. b. Two fragments of band, black, with pink and buff stars.

From Group vi.

Pottery.

Ast. vi. 1. 015. Large flat dish; grey.

Ast. vi. 3. 020. Jar; grey, faint annular grooves outside; filled with powdered grain.

Metal.

Ast. vi. 1. 020. Two bronze fragments.

Ast. vi. 4. 026. Two bronze plates held together by iron pin.

Wood.

Ast. vi. 1. 010. Figure of woman in long skirt; arms, separate, pinned on; high top-knot; very crudely carved; painted white, red and green.

Ast. vi. 1. 011. Figure of man, in jacket and loose trousers; arms separate, pinned on; painted buff, green and black.

Ast. vi. 1. 012, 013. Pieces of board covered with fine grass matting held on by strips of grass nailed on with wooden pins; part of box (?).

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Ast. vi. 1. 014. Figure of man; costume similar to that of Ast. vi. 1. 011, but trousers less full; no arms; jacket, black bordered with green, vermilion belt; trousers white; crude.

Ast. vi. 1. 016. Fragment of lathe-turned, lacquered box-lid; red and black.

Ast. vi. 1. 017. Hind leg of horse (?) with pin through upper end for attachment to body; black.

Ast. vi. 1. 018. Elliptical bowl, with lug-handles as Ast. ii. 2. 021, etc., but not lacquered.

Ast. vi. 1. 019. Spatula.

Ast. vi. 1. 022. Fragment of comb.

Ast. vi. 1. 023-025. Miniature bow and arrows in paper case; bow, a twig of cherry-(?) wood with string of gut. 024, paper quiver with two neatly made arrows. 025, another quiver, without arrows; *see* also under Paper.

Ast. vi. 1. 026. Peg with strips of hide curled round it.

Ast. vi. 2. 02, 03. Two pegs with Chinese charms written on them, as Ast. ii. 1. 023-026.

Ast. vi. 2. 05. Figure of man, same type as Ast. vi. 1. 011 and 014; armless; coat, vermilion; trousers, black; crude work.

Ast. vi. 3. 06. Twig with silk yarn twisted round it.

Ast. vi. 3. 010. Food tray with fish-tail handles; *cf.* Ast. 01; roughly made.

Ast. vi. 3. 011. Lathe-turned box; outside lacquered black and painted with pink cloud-scroll.

Ast. vi. 3. 015. Spatula (?).

Ast. vi. 3. 016. Forelegs of horse, painted dark buff with black hooves.

Ast. vi. 3. 017. Elliptical food bowl with lug-handles, containing remains of food; not lacquered; *cf.* Ast. ii. 2. 021.

Ast. vi. 4. 02. Plate with cane edge; lacquered black over canvas; knife-scoring on surface.

Ast. vi. 4. 04. Figure of woman attendant (?); standing with hands joined in sleeves at waist; half-length jacket, black, with red borders and rosette spot pattern; long skirt striped red and green and spotted with white rings; top-knot, triple with ornament in front.

Ast. vi. 4. 05, 06. Figures of men; arms, mere short stumps sticking out right and left; all very crude.

Ast. vi. 4. 07, 08. Two serving-men (?); standing; arms separate, pinned on; dress as Ast. vi. 1. 011, but trouser-legs, short; boots, black; on head a skull-cap; jacket green, red bordered; belts, black with sword-sling; trousers white with green hems; cap white.

Ast. vi. 4. 09. Grotesque beast with fish-like head; forelegs lost; hind-legs thin; tail long and thin (tiger-like); painted white with green and orange floral decoration.

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Ast. vi. 4. 010, 011. Fragments of model wheel; *cf.* Ast. ii. 1. 012.

Ast. vi. 4. 012. Short lath in leather sheath.

Ast. vi. 4. 019, 020. Strips, probably from model carriage.

Ast. vi. 4. 021. Flag-shaped object; part painted red.

Ast. vi. 4. 022. Hub of model wheel with nine holes for spokes; cone-shaped.

Ast. vi. 4. 025. Lathe-turned box with "check" and raised inner collar for fitting of lid; painted red, on which four green fishes, each holding in mouth a ring of pearls.

Ast. vi. 4. 027, 028. Parts of clothes-horse; leg, foot and rail, similar to that shown in painting Ast. ii. 1. 01+03. (The new parts, added to complete the object, are conjectural.)

Textiles.

Ast. vi. 01. Silk embroidery on damask; seven triangular fragments, rich crimson, of lozenge-patterned damask bound at edges with blue knot-dyed silk and lined with plain silk muslin; embroidery in chain-stitch, scrolls and spots in pale blue, buff and brown; the design was first painted on with yellow pigment.

Ast. vi. 02. Fragment of figured silk; yellow on crimson ground; design: formal bell-shaped flowers on straight and scrolling stems; a form suggestive of a bird (crane ?) occurs in the repeating pattern; warp-rib weave; style and weave suggest Han origin; *cf.* L. C. 02.

Ast. vi. 03. Fragment of silk gauze in alternate open and close bands; rainbow colouring.

Ast. vi. 04. Fragment of silk; plain.

Ast. vi. 1. 01. Fragments of silk; crimson, knot-dyed; yellow spots; remains of plain green silk lining and silk-waste padding.

Ast. vi. 1. 02. Fragment of silk; knot-dyed, blue with buff spots.

Ast. vi. 1. 03. Fragment of figured silk; pattern: angular cloud-scroll and rampant beast; Han type; colours: crimson, brown, green and buffs; discoloured.

Ast. vi. 1. 04. Fragment of silk gauze, embroidered; triangular; crimson, bound with plain blue and with buff strainer at end; lining of yellow silk muslin; embroidery: crescent-shaped spots in yellow and blue, in button-hole stitch.

Ast. vi. 1. 05. Mass of silk fragments; plain; blue and red.

Ast. vi. 1. 06. Fragment of embroidered silk; crimson with floral design in chain stitch; blue, green and yellow.

Ast. vi. 1. 07. Mass of silk fragments from shroud; mostly white; also buff, blue and crimson.

Ast. vi. 1. 08. Pair of miniature shoes; woollen; perished.

Ast. vi. 1. 09. Fragment of silk embroidery; crimson; floral design in chain stitch.

Ast. vi. 1. 021. Pair of model shoes of silk muslin; striped crimson, green, blue and buff, over paper; paper soles; *see* also under Paper.

Ast. vi. 2. 04. Fragment of silk; blue with white-spot rosettes and white-spot lozenge trellis dyed by "resist" process; attached, two rectangular pieces of cloud-scroll and

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grotesque beasts in red, cream and buff on yellow ground (faded); Han type; warp-rib weave; decadent drawing.

Ast. vi. 2. 06. Fragment of silk; buff and dark blue; from head.

Ast. vi. 2. 07, 08. Pair of model shoes; purple silk on paper from Chinese MS., lined, buff canvas; *see* also under Paper.

Ast. vi. 2. 09. Imitation dagger-sheath of blue silk over paper; *see* also under Paper.

Ast. vi. 3. 01. Pair of shoes of crimson silk over paper; canvas soles; *see* also under Paper.

Ast. vi. 3. 02. Fragments of silk; plain white from garment, padded with silk waste and lined with silk muslin.

Ast. vi. 3. 03. Two fragments of crimson silk with yellow lattice and rosettes by "resist" process; *cf.*. Ast. vi. 2. 04.

Ast. vi. 3. 04. Fragments of mitre-shaped hat of black silk over paper; *see* also under Paper.

Ast. vi. 3. 07. Fragment of silk garment; blue with white spot pattern by "resist" process, as Ast. vi. 2. 04; attached, two rectangular pieces of silk embroidery with grotesque poodle's head in centre on floral ground, bordered with thick and thin brush-like lines; chain-stitch; colours: red, blue, green, brown and yellow.

Ast. vi. 3. 08. Fragment of silk waste.

Ast. vi. 3. 09. Fragment of fine open muslin resembling modern fan-gauze or bolting.

Ast. vi. 3. 012. Pair of silk and canvas shoes; uppers covered with plain purple silk.

Ast. vi. 3. 019. Pair of silk cuffs (?) of strong buff canvas lined with buff silk, partly padded with silk waste and covered with plain purple silk.

Ast. vi. 4. 01. Silk tapestry shoe, woven to shape; pattern of sides and back, in three horizontal bands divided into oblong panels each containing a standing goose with extended wings; top and bottom bands, blue and buff; middle, red and buff; at toe, red, buff and blue bands with small Chinese characters in counterchange; lining, strong canvas; sole, coiled cord; as usual with shoes, the warp is of vegetable fibre and has perished; very good work.

Ast. vi. 4. 013. Imitation miniature top-boot of canvas, painted black.

Ast. vi. 4. 014. Two fragments of cane-skein matting closely woven.

Paper.

Ast. vi. 1. 021. Pair of model shoes made from old Chinese MS. and covered with silk; *see* also under Textiles.

Ast. vi. 1. 023-025. Miniature bow-case and quivers, sewn at seams and painted black; *see* also under Wood.

Ast. vi. 2. 09. Imitation dagger sheath of paper covered with blue silk; *see* also under Textiles.

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Ast. vi. 3. 01. Pair of shoes made of old Chinese MS. paper and covered with silk paper bears memoranda relating to purchase of wine and wheat, (Dr. Lionel Giles); *see* also under Textiles.

Ast. vi. 3. 04. Fragments of mitre-shaped hat; stiff paper covered with black silk; *see* also under Textiles.

Ast. vi. 3. 05. Fragments of painting on paper; perhaps a scene in the future life; a dignified man in voluminous robe and simple double-lobed head-dress is seated or kneeling on a low throne taking a small cup from an attendant female who kneels before him holding in her right hand a ladle; a similar attendant stands behind him and two personages dressed as the enthroned figure are in front, to left. In foreground are musicians, a dancer, a servant lighting a fire and various culinary apparatus, a bullock-cart and an orchard (?). A ladle inside a caldron is precisely like the ladle Ast. ii. 1. 07. The drawing is in black with red touches and although very inferior artistically is extremely interesting in its subject matter.

Ast. vi. 3. 013, 014. Pair of shoes, painted black.

Miscellaneous.

Ast. vi. 3. 018. Loaf of coarse dough; bun-shaped.

From Group vii.

Metal.

Ast. vii. 1. 08. Pair of silver "spectacles" as Ast. i. 3. b. 03; damaged and broken in two.

Wood.

Ast. vii. 2. 013. Baton with handle painted green and "blade" black decorated with horseman galloping and turning to shoot an arrow at pursuing leopard, painted in buff.

Ast. vii. 2. 014. Square board divided by black lines into squares for playing a game which Dr. Lionel Giles considers is *Wei-ch'i*, the surrounding game of checkers.

Stucco.

Ast. vii. 2. 01. Fragment of dragon modelled in the "round" represented squatting (?), shoulders hunched and head thrust forward threateningly; lion-like head with long pointed locks of mane falling backwards; well modelled; painted white, mane in green, pink and blue; underside of body, pink.

Ast. vii. 2. 02. Fragment of figure; right shoulder, breast and arm flexed; pale green robe with clusters of pink flowers and green leaves representing embroidery or woven pattern.

Ast. vii. 2. 03. Head of demon; grotesque human face and hair rising in high point; painted brown, green, black, red, blue and white.

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Ast. vii. 2. 04. Head of snake with small ears.

Ast. vii. 2. 05. Horse as Ast. iii. 2. 014; light blue with black saddle and *numdah*; group of hanging straps on each side; brown tassels on breast-band and crupper; tail missing.

Ast. vii. 2. 06, 07. Horses as preceding; 06, maroon; 07, terra-cotta colour with leopard-skin *numdah*; real hair tail; parts of face in each, lost.

Ast. vii. 2. 08. Bolster-shaped pack, carefully roped round; curved to fit animal's back.

Ast. vii. 2. 09, 011. Riders, as Ast. iii. 2. 012; 09, right hand grasping piece of twig, perhaps lance shaft or banner stick; coat, light blue; boots, black. 011, in pose of playing a horn or pipe; coat, white; boots, black; skull-cap or smooth hair.

Ast. vii. 2. 012. Legs of rider, as Ast. iii. 2. 012; coat, green; breeches, white; boots, black; stirrups and stirrup-leathers yellow.

Textiles.

Ast. vii. 1. 01. Figured silk face-cover surrounded by frill of plain silk; pattern: Sasanian type, medallion with pearl border; centre not made out; very fragmentary and coarse; ground of medallion red; pattern, brown and buff.

Ast. vii. 1. 02. Fragment of silk; striped twill, brown and green.

Ast. vii. 1. 03. Fragment of buff silk painted with floral pattern; attached, a small piece of rose-coloured fabric.

Ast. vii. 1. 05. Two silk fragments; one buff; the other painted with lines, white, buff, red and black.

Ast. vii. 1. 06. Figured silk face-cover with plain frill and lining; two spots over eyes, corroded; hair from eyebrows of body adhering to lining; pattern: lozenge lattice of pale green bands studded with heart-shaped leaves in pink (?) and small rosettes at crossings; in lozenge, an eight-pointed star, buff.

Ast. vii. 1. 07. Large shoe of canvas lacquered black; broad upturned toe; uppers of six layers of woollen canvas covered with a layer of fibrous substance like a linseed poultice; over this, a thin canvas; paper MS. lining; probably not intended for wear by the living.

Paper.

Ast. vii. 1. 04. Fragment in several layers painted black.

Miscellaneous.

Ast. vii. 2. 016. Millet from sepulchral deposit.

FROM GROUP viii.

Pottery.

Ast. viii. 1. 04. Jar; blackish-grey with traces of red and green paint; incised comb-drawn festoon between incised annular lines.

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Ast. viii. 1. 05. Jar; painted black with red and white spots similar to Ast. i. 1. 03, etc.,; a band of white spots round base of neck.

Stucco.

Ast. viii. 1. 03. Figure of man like Russian moujik; long close-fitting maroon coat with black belt; black top-boots; round black fur cap; broad shoulders, small waist; round face; straight, round eyes; moustache and fringe of beard; well modelled.

Textiles.

Ast. viii. 1. 01. Fragment of silk damask, dark crimson; pattern: incomplete; large interlacing polygons with pearl borders in rows, divided by rows of pearl-bordered hexagons and other geometrical forms.

Ast. viii. 1. 02. Fragments of painted silk; a face in pale flesh-colour outlined black.

From Group ix.

Pottery.

Ast. ix. 2. 039. Jar with carrying-string round mouth; black.

Ast. ix. 2. 040. Saucer; probably a lamp, with partly burnt wick.

Ast. ix. 2. 041. Dish, black with remains of fruit, etc.

Ast. ix. 2. 042. Bowl, black; with remains of food.

Ast. ix. 2. 052. Dish, grey, containing grapes, etc.

Ast. ix. 3. 04, 05. Two small bowls; painted black with decoration in white, as Ast. i. 1. 03, etc.; with remains of food.

Ast. ix. 6. 08. Jar with incised annular lines and chevrons; painted black and decorated as Ast. i. 1. 03, etc.

Glass.

Ast. ix. 2. 05. Twenty-two glass beads; blue, green, yellow and black; one red lac.

Ast. ix. 2. 010. Fifteen glass beads; green; one small shell; one white.

Metal.

Ast. ix. 2. 03. Small silver mirror with central boss and crimson silk cord; embossed lotus design; in toilet box; *see* also under Wood and Paper.

Ast. ix. 2. 04. Seven thin bronze plates; two lunette; two circular; three pear-shaped, drilled with small holes for threading; from body.

Ast. ix. 2. 07. Fragments of iron; probably of scissors; with pieces of silk adhering; from coffin.

Wood.

Ast. ix. 2. 03. Toilet box, circular; lacquered black over canvas; contents: a small silver mirror, a fine wooden comb, several "screws" of paper, one containing white powder; another, a fragment of crimson felt and the rest empty; a few fragments of charcoal; a

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folded paper with seal impressions in red; box is well made and well preserved; it was found in a coffin against right side of head of body; *see* also under Metal and Paper.

Ast. ix. 2. 06. Miniature two-wheeled cart made of twigs, with wheels and body of dough; *see* also under Miscellaneous.

Ast. ix. 2. 027. Lathe-turned urn, painted black bands and circles of white spots and inner circles of red.

Ast. ix. 2. 029-031. Jars, lathe-turned; solid with depression in top, for food; black with bands of white spots.

Ast. ix. 2. 032, 033. Lathe-turned bowls, solid with depression in top, for food; both contained dust and 032, a few shrivelled plums; black with white spots.

Ast. ix. 2. 034. Bowl; lathe-turned; thin walls; lacquered black over fabric inside and out; containing remains of food.

Ast. ix. 2. 036, 038. Shallow bowls, lathe-turned; black; with remains of food. 036, with plums.

Ast. ix. 2. 043. Miniature duck sitting as on water; painted white, yellow and red with black featherings.

Ast. ix. 2. 044-046. Three discs of smooth bark.

Ast. ix. 2. a. 08. Lath, graduated as for a measure; found inside coffin, near head.

Ast. ix. 2. a. 09. Spindle with lignite (?) whorl and remains of fine thread; found inside coffin near head.

Textiles.

Ast. ix. 1. 04. Fragment of silk, buff, painted with male head nearly life-size; hasty work in black lines; flesh white with red lips; from painted shroud, as Ast. ix. 2. b. 012.

Ast. ix. 1. 05. Fragment of silk, buff, painted; similar to preceding; back of left hand of another (?) figure appears at back of neck; several disconnected fragments.

Ast. ix. 2. 01. Fragment of figured silk face-cover; with plain yellow silk frilled border; centre, of several pieces of two different designs, both of Sasanian type: one with large medallions in rows, touching at sides right and left, with pearl borders and very stylised lily (?) or iris within, treated angularly; colours: blue, yellow, green and white; in spaces above and below (?) eight-pointed rosettes. The other fragments show circular pearl-bordered medallions, smaller in scale and enclosing rosette; and left, bands of small rosettes between pearl-studded blue lines; weave of these smaller fragments is warp-rib.

Ast. ix. 2. 02. Fragment of figured silk; pattern: lozenge lattice formed of rectangular spots, one side of each spot, rayed, an elliptical spot at crossings; in space, a round spot with toothed edge alternating with foiled rosettes; colours: blue (ground), buff and pink.

Ast. ix. 2. 08, 09. Fragments of damask; pattern: 08, lozenge diaper; brown.

Ast. ix. 2. 011. Mass of silk embroidery threads.

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Ast. ix. 2. 012. Small silk bag of figured material; a delicate floral pattern with birds executed by "resist" process, the resist medium freely painted on, probably after the design had been pounced on; colours: yellow birds on blue ground; other colours faded.

Ast. ix. 2. 013. Small silk bag of square patch-work; maroon, yellow and blue: the blue with "resist" flower-spot.

Ast. ix. 2. 014. Fragments of silk patch-work garment: squares of yellow damask divided by bands of green corded damask with squares of plum-coloured damask at crossings.

Ast. ix. 2. 015. Mass of silk rags of various colours.

Ast. ix. 2. 016. Silk gauze sleeve-like object; long lozenge diaper; rich yellow ochre colour.

Ast. ix. 2. 017. Fragments of figured silk; Sasanian type; probably boar's head pattern as Ast. i. 5. 03.

Ast. ix. 2. 019. Fragment of silk patch-work, as Ast. ix. 2. 014; with fragments of Sasanian type fabric at crossings.

Ast. ix. 2. 020. Mass of fragments; plum colour; from shirt of body.

Ast. ix. 2. 021. Mass of cuttings from various silks and cloths in small rolls tied round with thread; from coffin.

Ast. ix. 2. 022. Fragment of figured silk face-cover; pattern: Sasanian type; circular rosettes surrounded by pearls with four-limbed lozenge rosette in spaces; ground, rich red; other colours, pink, green, white and brown.

Ast. ix. 2. 025. Silk garment from body; brown ornamented with broad band of striped silk in various colours in reversed twill weave.

Ast. ix. 2. 055. Fragments of silk shroud with remains of painting of Fu-hsi, as Ast. ix. 2. b. 012.

Ast. ix. 2. a. 07. Sheet of hempen (?) canvas with impressions of three or four stamps in red and a column of Chinese writing in black across them.

Ast. ix. 2. b. 08. Basket of woven cane skein; flat; round; with lid of about equal depth; contents: sandal-wood comb, two folded napkins of fine white silk and six Chinese copper-coins with legend K'ai-yuan.

Ast. ix. 2. b. 011. Sheet of hempen (?) canvas similar to Ast. ix. 2. a. 07; within it, a sheet of fine buff silk and two fragments of white.

Ast. ix. 2. b. 012. Painted silk pall from coffin; lower part incomplete; subject: the legendary Emperor Fu-hsi with his consort Nu-wa facing each other. Their bodies rise from a continuous flounce-like skirt and lean away from each other; their two inner arms stretched horizontally and rigidly towards each other are fused into the appearance of one arm joining both bodies, but the hand of each appears under the opposite armpit of the other and shows that they are embracing; they wear close-fitting tunics with wide elbow-sleeves; Fu-hsi holds in his uplifted left hand a mason's square and another object

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not recognisable, but perhaps plummet and measuring tape; Nu-wa holds similarly uplifted in her right hand a pair of compasses and some other, rod-like object. From below-skirt issue two intertwined serpentine bodies roughly painted with scales and dots. Between heads is the sun-disc surrounded by a string of stars (discs); other stars are scattered on the back-ground, the constellation of the Great Bear (?) beside Fu-hsi. Fu-hsi has a small moustache and a square white patch cross-hatched with black on front of head-dress, a pin stuck through hair and a black line arched over top of head. Nu-wa has a three lobed coiffure. Both have hair hanging down side of face and over ear a white band with wavy line down it. Each has a red *tilaka* on forehead.

Ast. ix. 3. 02. Fragment of figured silk of semi-elliptical shape made up of several pieces of the same Sasanian type; pattern: pearl-bordered medallions in rows containing pairs of confronting winged horses; in one row the horses have their heads to the ground as though cropping grass, and a stiff tree between them; the next row have horses with necks arched and no tree but a conventional bud with spreading leaves between and below them. Formal rosettes at the four points of contact of the circles and rosettes with leaves in the spaces between medallions. Colours all faded to buffs and greenish-blue. (The same design of a group of winged horses feeding or drinking with tree between them is shown in Sir Flinders Petrie's *Decorative Patterns of the Ancient World* and is described as Pagasi of Dioscuri at Fount Juturna; Rome, Baracco Museum, A.D. 500.)

Ast. ix. 3. 03. Fragment of figured silk; design: in bands; upper band, pairs of confronting phœnixes with acanthus scrolls above and below; a band of two rows of billets; a band of lozenge; another two rows of billets and below, a band of circular pearl-bordered medallions containing rosettes; colours: blue, green and other colours faded to buff.

Ast. ix. 6. 01. Lid of basket woven in fine cane skein, some stained blue.

Ast. ix. 6. 07. Small cushion of flax canvas stuffed with grass.

Paper.

Ast. ix. 2. 03. Toilet box containing "screws" of paper, one with white powder and another with piece of red felt; *see* also under Metal and Wood.

Ast. ix. 2. 023. Hat or crown; black with ornaments of gilded paper and yellow silk.

Miscellaneous.

Ast. ix. 2. 06. Miniature two-wheeled cart of dough with wooden shafts and cover-hoops; *see* also under Wood.

Ast. ix. 2. 024. Two figurines roughly modelled in dough.

Ast. ix. 2. 026. Wheat.

Ast. ix. 2. 047. Fragment of torso of figurine in coarse bran-like paste.

Ast. ix. 2. 048, 050. Fragments of miniature animals in bran-like paste.

Ast. ix. 2. 049, 051. Two paste discs; wheels of miniature cart as Ast. ix. 2. 06

Ast. ix. b. 06. Five fragments in form of animals, in paste with twig core.

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From Tomb x. 1.

Stucco.

Ast. x. 1. 09. Head of demon; similar to Ast. vii. 2. 03, but features exaggerated; colours: pink, red, green, black and white.

Ast. x. 1. 010. Figure of woman, standing; damaged; costume: close-fitting bodice, long sleeves and skirts; vermilion bodice, white stomacher, light blue skirt with black palmettes.

Textiles.

Ast. x. 1. 01. Fragments of silk with rows of square rosettes; colours: cream, pink-brown, light green and buff.

Ast. x. 1. 02. Fragments of fine silk gauze as Ast. i. 7. 04; colour, brown.

Ast. x. 1. 03. Fragments of figured silk, as Ast. i. 7. 06.

Ast. x. 1. 04. Fragment of printed silk; design: in bands, yellow on blue and blue on yellow, counterchange; blue on yellow: rosettes; yellow on blue: a repeating rosette in which are two confronting ducks; between repeats, two small rosettes. The blue is printed over the yellow and is therefore greenish; calendered.

Ast. x. 1. 05. Fragment of figured silk, parts of garment; pattern: alternate rows of rosettes and floral bushes; colours: blue, buff and green; lining of coarse canvas and yellow damask in a bold floral ogee repeat.

Ast. x. 1. 06. Fragments of figured silk; design: large rosettes in ogee lattice of floral sprigs cleverly designed; colours: pink (ground), blue, red, russet and green; warp, perished.

Ast. x. 1. 07. Fragments of figured silk; pattern: large repeating rosettes in rows; colours: blue (ground); other colours faded to buff.

Ast. x. 1. 08. Figured silk; pattern: in bands of colour on which are small rosettes and rings; colours: dark blue, yellow, brown, buff and green.

OBJECTS FROM FORT OF CHONG-HASSĀR (H. A.)

Pottery.

H. A. 001-003. Fragments; grey; with incised wave-pattern.

H. A. 0025. Knob; glazed deep blue.

Metal.

H. A. 008. Bronze ring.

Wood.

H. A. i. 0013. Model of spear-head; blue-black.

H. A. 1. 0014. Fragment; carved; quarter of wheel with scalloped border; traces of paint.

Stucco.

H. A. 004. Seated Buddha fragment.

H. A. 005. Edge of vesica; two rows of spiral flames; traces of red.

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H. A. 0023. Fragment of hand.
H. A. i. 001-006, 009. Seated Buddha fragments.
H. A. i. 007, 008. Hands.
H. A. i. 0010, 0011. Ends of two fingers; 0010, pink.
H. A. i. 0012. Fragment of white plaster, with fibre; gilded.
H. A. i. 0017. a. Finger; pink.
H. A. i. 0017. b. Part of wrist with bangle; flesh, pink.
H. A. i. 0018, 0019. Two fingers, painted white.
H. A. i. E. 001, 002. Seated Buddha fragments.
H. A. i. pass. 001, 002, 004. Seated Buddha fragments.

Textiles.

H. A. i. 0022. Fragment of miniature banner; hemp (?); triangular top and loop for hanging; traces of seated or kneeling Bodhisattva painted in brown, white, green and red.

H. A. i. 0023. Fragment of coarse fabric; hemp (?); painted on both sides over white priming; Bodhisattva standing on pink lotus; *reverse*: another standing figure; colours: red, green, grey, blue and black outline.

H. A. i. 0031. Fragment of silk brocade in large circular floral spots in dark blue on old-gold ground.

OBJECTS FROM SHRINES OF KICHIK-HASSĀR (H. B.)

Wood.

H. B. iii. 001. Statuette of seated Buddha; drapery conventionally rendered in parallel grooves suitably curved; traces of paint.

H. B. iv. 005. Carved spiral: gilded.

Stucco.

H. B. 001. Right foot; hollow from below; pink; also a fragment of woollen cloth; brown.

H. B. 002. Fragment of seated Buddha; head missing; traces of green paint; soft clay.

H. B. 003. Fragment of hanging drapery; white.

H. B. 004. Fragment of jewellery; bar with pearl border; curved white surface; soft clay with fibre.

H. B. 005. Band; green and gilding; soft clay with fibre.

H. B. 0010. Small human finger; tapered and crooked; buff; soft clay with fibre.

H. B. i. 001. Flame ornament; vermilion; soft clay.

H. B. ii. 001, 002. Pair of feet, broken across instep; traces of yellow paint; soft clay with straw.

H. B. ii. 003. Little finger, curled; gilded; soft clay with fibre.

H. B. ii. 004-007, 009. a-c, 0010. Fragments of drapery; gilded and painted; 009. *a-c*, shows stick-core; soft clay with fibre.

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H. B. ii. 008. Wrist with pearl bracelet; hollow with marks of reed core; gilded; soft clay with fibre.

H. B. ii. 0014. Fragment of *padmāsana*; painted; hard clay with straw.

H. B. iv. 001, 002, 006. Fragments of arms; life-size; with jewellery ornaments; soft clay with fibre and straw.

H. B. iv. 003. Lotus rosette; traces of vermilion; soft clay with fibre.

H. B. iv. 004. Curled tendrils; soft clay with fibre.

H. B. iv. 007. Fragment of *padmāsana*; painted, with "rainbow" shading.

H. B. v. 001. Head of *arhat* (?); calm smiling expression; protuberance on forehead; soft clay with fibre.

H. B. v. 002. Fragment of right ear; lobe pierced; blue; soft clay and fibre.

H. B. v. 003. Lock of hair; ribbed; dark blue.

H. B. v. 004. Votive relief of seated Buddha on oval background; broken above waist; traces of white.

H. B. v. 005. Half of votive stupa; clay.

Textile, painted.

H. B. i. 003. a-c. Three fragments of cotton canvas, painted, repaired in antiquity with backing of red fabric; subject: probably enthroned Avalokateśvara, with row of seated Buddhas above (*a*, *b*). Good work, much damaged.

Sites South and South-West of Turfān.

Going W. and SW. from Turfān, at a distance of about 140 miles is USHAK-TAL. About 37 miles further SW. along the Korla route is Kara-shahr where the route bends SSW. and about 10 miles beyond runs near BAGDĀD-SHAHRI. 16 miles SSW. from Kara-shahr is the MING-OI OF SHŌRCHUK. KORLA is 19 miles SW. of Ming-oi. 20 miles ENE. of Ming-oi is KHORA. About 100 miles from Korla in a south easterly direction is YING-P'AN. 66 miles SSE. of Ying-p'an is MERDEK. This Korla-Ying-p'an route runs towards Lou-lan and has watch towers along its course from which a few antiquities were recovered. Continuing from Korla westward for about 60 miles, AGHRAK is reached and after another 100 miles, KUCHĀ. 44 miles SE. of Kuchā is KHITAI-SHAHRI. TONGUZ-BĀSH is 38 miles SW. of Kuchā. TOGHRAK-AKIN and TAJIK lie about 38 miles nearly W. ot Kuchā. YULDUZ BĀGH is about 20 miles WSW. of Kuchā and about 70 miles W. of Kuchā and 5 miles S. of the Muz-art river are the Cave-temples of JIGDALIK.

OBJECTS FROM USHAK-TAL AND BAGHDĀD-SHAHRI, KARA-SHAHR.

Pottery.

Ushak-tal 001, 002. Fragments. 001, red. 002, yellow, red washed; appliqué leaf (?) ornament.

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Ushak-tal 003. Fragment from stoneware bowl; grey; glazed celadon green over incised, combed wave ornament.

Baghdād-shahri 001, 002. Fragments, red. 001, blackened on surface; relief band with V-shaped stamped ornament.

Glass.

Ushak-tal 004. Fragment of bluish-white glass.

OBJECTS FROM THE "MING-OI" SITE, SHORCHUK, KARA-SHAHR (Mi.)

Pottery.

Mi. xxiii. 0026. Fragment with Tibetan inscription on shoulder.

Glass.

Mi. x-xi. 001, 004. Fragments of glass from glass-workers' shop.

Metal.

Mi. xx. 008. a, b. Two fragments of copper sheet with simple repoussé work.

Wood.

Mi. ii. 009. Right hand of figure, closed; only third finger complete.

Mi. v. 002. Two small knobs painted red, blue and yellow.

Mi. v. 004. Fragment; carved with parts of grotesque dragons; traces of paint.

Mi. v. 005. Fragment; carved as flame; traces of red paint.

Mi. v. 006. Half of lotus; red.

Mi. v. 007. Piece of frame; traces of paint.

Mi. v. 009. Head of elephant.

Mi. v. 0010. Square block; the top half lathe-turned into form of shallow cup with central boss; red paint.

Mi. vii. 0015. Half of block as Mi. v. 006.

Mi. vii. 0016, 0018. Painted panel in two pieces; standing Buddha with small animal at lower right corner.

Mi. vii. 0017. Painted panel; standing Buddha on white *padmāsana*.

Mi. ix. 002. Carved bracket.

Mi. xii. 0027. Finial of miniature stupa with square *hti* and thirteen *chhatrs* supported on short pillars (sticks) resting on *hti*.

Mi. xiii. 003. Carved finial; gable-shaped, with trefoil rising from half rosette, in low relief; at apex a square, carved with quatrefoil; traces of gilding.

Mi. xiv. 001. Carved border from vesica (?); spiral flames; traces of gilding.

Mi. xiv. 002. Carved finial; gable-shaped, as Mi. xiii. 003, but with flame-leaf border; traces of paint.

Mi. xxi. 001. Fragment, carved with scrolls; traces of red paint.

Mi. xxi. 002. Octagonal post, tapering, each side inscribed with Brahmi characters.

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Mi. xxiii. 001, 002, 003-007. Fragments of open-work panel, leaf and circle design.

Mi. xxiii. 009. Carved bracket with dragon-head end; traces of paint.

Mi. xxiii. 0011, 0016-0018. Carved brackets or mutules; leaf motif below ovolo and fillet mouldings.

Mi. xxiii. 0012. Fragment of carved frame (?); outer edges, plain fillets, between which a band of reeded zigzag and a band of small leaves, issuing from pod-like calyx or sheath with voluted end and pearl edge.

Mi. xxiii. 0013. Lathe-turned leg or staff.

Mi. xxiii. 0013. a. Square slip.

Mi. xxiii. 0015, 0024, 0025. Fragments of carved panel; floral.

Mi. xxiii. 0019-0022. Lathe-turned rails or balusters; remains of red paint.

Mi. xxiii. 0023. Fragment of carved vesica, flame-bordered, with part of drapery; traces of red paint.

Mi. xxiv. 002. Fragment of painted panel; subject: obscure.

Mi. xxv. 003. Fragment of painted panel; two scrolled leaves in blue outlined black; rest, obscure.

Stucco.

Mostly accidentally burnt:—

Mi. i. 002. Part of face of Buddha (?); traces of moustache.

Mi. i. 003. Part of "tile" with Bodhisattva head in pearl circle; ornament in corners; large ear-rings; corner with ear and ear-ring only; *cf.* Mi. xvi. 002, etc.

Mi. i. 004. b-f. Fragment of valance imitating textile; white, blue, vermilion, chocolate, rose and green.

Mi. ii. 002. Part of "tile" as Mi. i. 003; *cf.* Mi. xvi. 002, etc.

Mi. ii. 003, 004. Fragments of band; probably from valance like Mi. i. 004.

Mi. ii. 005. Fragment; probably from neck of figure; gilded.

Mi. ii. 006. a. Little and third fingers of colossal hand; gilded.

Mi. ii. 008. Rosette and bead border from head-dress.

Mi. v. 001. Head, parts missing; as Mi. xi. 0010, etc.

Mi. vii. 001, 002. Top-knots of coiffures from figures; black; 001, with wooden core.

Mi. vii. 003. Fragment of face, only mouth and nose.

Mi. vii. 004. Fragment of great toe; traces of dark red.

Mi. vii. 005. Top-knot of coiffure; red and black.

Mi. vii. 0014. Very conventional flying bird or perhaps flower.

Mi. vii. 0020-0023. Fragments of drapery; white and orange.

Mi. vii. 0024. Painted plaster backed with string matting over clay mixed with straw: black pink and blue.

Mi. x. 001. Fragment of head of Bodhisattva, as Mi. xi. 0010., etc.

Mi. x. 003. Upper part of body of Bodhisattva (?) with rosette on upper left arm.

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Mi. x. 004-007. Fragments of heads of Bodhisattva, as Mi. xi. 0010, etc. 004, left ear and part of right and coiffure lost; traces of blue on hair. 005, coiffure above fillet, lost; head, hair and eyes, blue. 006, left rosette on head-dress preserved. 007, both side rosettes of head-dress preserved.

Mi. x. 008. Top-knot of coiffure: dark red.

Mi. x. 009, 0010. Heads of figures like Mi. x. 0011.

Mi. x. 0011. Fragment of figure of youthful attendant; hair on forehead in two falling locks voluted right and left at tips; body nude to waist; below waist, missing.

Mi. x. 0012. Fragment of youthful figure; head and limbs broken off and missing; nude excepting closely tied loin-cloth; narrow waist.

Mi. x. 0013, 0014. Hands and wrists of figures.

Mi. x. 0020. Fragment of right foot; burnt black.

Mi. x. 0021. Fragment of arm (?) with band of rosettes from which hang two bells.

Mi. x. 0022, 0023. Fragments of flaming jewels.

Mi. x. 0024. Tassel.

Mi. x. 0025. End of drapery with flame-like undulations at sides; red and gold.

Mi. x. 0026. Flower.

Mi. x. 0027. Flower with central rosette and whorl of seven whirling petals.

Mi. x. 0028, 0030, 0031. Tassel pendants hanging from square blocks shaped like squat chair-legs; from architectural cornice; *cf.* Mi. xi. 00127.

Mi. xi. 007, 008, 009, 0012, 0015, 0018, 0022, 0023, 0077, 0086. Fragments of figures of Bodhisattvas different only slightly in details and all from the same or closely similar moulds; limbs, jewels, attributes, etc., made separately and applied, which permits of many modifications in pose and ornaments. Face, full, round, with folds in plump neck; small chin; lips bowed, full but small; nose forms straight line with fore head, narrow-bridged and sharp; eyebrows, long, narrow and arched; eyes prominent with broad lids almost closed; ears long and with massive ear-rings; hair, parted from centre and drawn loosely back under a pearl fillet, making crescent-shaped curves; top-knot has large lotus rosette in centre flanked by two half-rosettes; through centre of rosettes over ears, lock of hair escapes (type a). Occasionally (type b) there is no ornament but instead a turban encircles the top of the head and from this rises a fan-shaped top-knot. The figure is generally nude to hips; a string of beads round neck and again over shoulders, crossed on breast under a circular rosette and carried down to hips. From behind neck a veil or mantle makes a background to the nude part of body. Large floral rosette on each upper arm and bangle on wrist. Drapery wound loosely round hips and secured by knot on left side or a simple knot with long fold hangs between legs and a loop across right thigh. Traces of colour and gilding.

Mi. xi. 0010, 0011, 0013, 0016, 0017, 0019, 0025-0027, 0030, 0032-0041, 0043-0046, 0048-0050, 0065, 0079, 0080. Heads and fragments of heads; type (a).

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Mi. xi. 0014. Torso of male figure wearing jewelled bands and stole with scalloped borders on left shoulder and under right arm; behind shoulders, a mantle, black.

Mi. xi. 0020, 0029, 0059, 0060, 0078. Heads and fragments of heads, type (b).

Mi. xi. 0024. Fragments of figure like Mi. x. 0011.

Mi. xi. 0031. Central and right rosettes from head-dress of Bodhisattvas (?).

Mi. xi. 0051. Fragment of female figure; body freely draped; outer garment has pointed corset below breasts and is perhaps suspended by shoulder-straps having short sleeves attached; below is high-necked tunic with pleated elbow-sleeves.

Mi. xi. 0052-0055. Fragments of female torsos as preceding.

Mi. xi. 0056. Head with prominent round eyes, heavy fleshy eyebrows; broad nose; finely formed mouth.

Mi. xi. 0057. Head; modification of preceding.

Mi. xi. 0066. Fragment of figure, as Mi. x. 0011, but with back locks of hair tied at side.

Mi. xi. 0067. Head, similar to Mi. x. 0011.

Mi. xi. 0069. Fragment of figure, as Mi. x. 0011, but right arm raised and bent over head (?), broken below elbow.

Mi. xi. 0073. Fragment of female torso, as Mi. xi. 0051.

Mi. xi. 0074. Fragment of female torso, as Mi. xi. 0051, but right forearm emaciated.

Mi. xi. 0076. b. Fragment of drapery.

Mi. xi. 0082. Head of old woman, laughing.

Mi. xi. 0084, 0085. Fragments of figures similar to Mi. x. 0011.

Mi. xi. 0088. Finial flaming jewel.

Mi. xi. 0089, 0091, 0094. Fragments of foliate ornament.

Mi. xi. 00103. Head of bearded man.

Mi. xi. 00105. Head of bearded man; with turban.

Mi. xi. 00106. Head of bearded man; top-knot missing.

Mi. xi. 00108. Fragment of right foot.

Mi. xi. 00109, 00110, 00113. Heads of warriors wearing close-fitting helmets composed of plates of metal or perhaps lacquered leather, with crest and cheek pieces which were continuous under the chin and round the back of head. These are also made of scales bordered and divided by plain bands and seem to be united with the gorget; at sides were projecting ear-pieces. 00109, crest-plume and ear-pieces are missing; *see* also under Mi. xii. 00114.

Mi. xi. 00114. Fragment of warriors' shield; circular, with five bosses (one central) and bead border.

Mi. xi. 00115. Head of ram or camel.

Mi. xi. 00117. Fragment of elephant's head; trunk broken off; a row of rosettes round neck.

Mi. xi. 00118. Elephant's head; tusks, trunk and ears, lost.

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Mi. xi. 00119. Elephant's head.

Mi. xi. 00121. Fragment of tile, as Mi. xvi. 002, etc.

Mi. xi. 00124. Rosette.

Mi. xi. 00125. Head of old woman, laughing.

Mi. xi. 00126. Fragment of architectural frieze with rosette plaques set along its face and a triangular acroterion with stepped sides, above end (corner) of frieze, which may be the end section of a line of battlements.

Mi. xi. 00127. Corner of roof of building showing square ends of projecting beams carved with square rosette and carrying a moulding of nail-head ornament. Depending from under surface of beam, short thick tassel (?) having the appearance of a lathe-turned stool-leg. Perhaps part of preceding piece; traces of paint.

Mi. xi. 00128. Fragment like Mi. xi. 00127; traces of blue paint.

Mi. xi. 00129. Tassel pendant like that in Mi. xi. 00127.

Mi. xi. 00135. Fragment of drapery; traces of red.

Mi. xi. 00136. Fragment from centre of tassel pendant (?).

Mi. xi. 00139. Part of horse in high relief, one side only worked; head stretched downwards, mouth slightly open, nostrils distended; carries small saddle and large *numdah* over which is stirrup-leather with buckle; head-stall with "grelot" bell behind ear; breast-band studded with pearls and having a large tassel attached near *numdah*; breeching with bell; hogged mane; good work.

Mi. xii. 002. Part of head like Mi. xi. 0020; flesh, pink; lips, crimson; eyebrows and lashes, black; white in corners of eyes.

Mi. xii. 0010, 0011. Heads of warrior as Mi. xi. 00109.

Mi. xii. 0014, 0016. Bodies of warriors in coat of scale mail made in horizontal overlapping rows with a narrow plain band between every two rows; the coat reaches below knees and is divided up as far as crutch where is a square flap or cod-piece, and divides again above belt. The neck is open in front showing gorget and is high at back; the skirts of coat may be formed into baggy trouser-legs and are finished at edge with a fringe of tabs (?) of leather (?) as in Tibetan armour. Mail, green, with red fringe.

Mi. xii. 0019. Shield as Mi. xi. 00114.

Mi. xii. 0022. Shield with Gorgon head; green and red.

Mi. xii. 0023. Foreleg of horse; traces of red paint.

Mi. xii. 0028. a. Stepped battlement with incised scroll ornament.

Mi. xii. 0030. Part of facade of building with elliptical-arched doorway and three series of projecting members, architrave frieze and cornice.

Mi. xii. 0032. "Tassel" from architectural cornice; traces of paint and gilding.

Mi. xiii. 002. Fragment of gilded white plaster.

Mi. xiii. 004. a, b. Fragments of snake; traces of paint.

Mi. xiii. 005. Rosette from which rises a series of leaves; perhaps a pedestal; rosette, gilded; leaves, green.

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Mi. xv. 003. a-c. Fragments of jewel-band from figure.

Mi. xv. 004. Palmette pendant from necklace.

Mi. xv. 006. Fragment of figure, waist to shin; palmette tassel on right thigh.

Mi. xv. 007. Pair of hands, in adoration, with chain of rosettes at line of joining.

Mi. xv. 008, 009. Two fragments of arms; 008, shows long ringlets of hair and armlet with rosette; 009, shows long locks with curled ends.

Mi. xv. 0012. Fragment of drapery.

Mi. xv. 0013, 0015-0017. Human feet.

Mi. xv. 0019. Fragment of flying bird.

Mi. xv. 0021, 0023, 0026-0028. Lotus flowers.

Mi. xv. 0030. Top-knot of coiffure.

Mi. xvi. 002-007, 009-0016. Fragments of "tiles"; square, plain border; in centre, an elaborately adorned Bodhisattva head surrounded by a circle of rays and an outer circle of pearls; in corners, scroll ornament.

Mi. xvii. 002. Top-knot of coiffure.

Mi. xvii. 007. Shield with Gorgon head.

Mi. xviii. 0013. Finger; traces of red paint; found in mass of textile fabrics; soft clay with fibre.

Mi. xxiii. 2. a-d, 0014. Fragments of "tiles" as Mi. xvi. 002, etc.

Mi. xxvi, 002. Fragment of figure, as Mi. x. 0011, 0012.

Mi. xxvi. 003. Fragment of drapery.

Mi. xxvi. 006. Lotus rosette, as Mi. x. 0026, xi. 00124, etc.

OBJECTS FROM GUMBAZ KORLA.

Stucco.

Gumbaz Korla 002-004. Fragments of panels of open interlaced geometrical patterns; clay with hair.

OBJECTS FROM KHORA SITE.

Wood.

Khora 003. Finial; lathe-turned; painted black, green and red.

Khora 004. Tapering staff with knob.

Khora I. i. 001-005. Fragments of lathe-turned balusters.

Khora I. i. 006, 007. Two lathe-turned finials.

Khora I. i. 008. Fragment of lathe-turned baluster.

Khora II. i. 001. Bodhisattva head.

Khora IV. i. 003. Fragment of painted wooden beam, charred at back; shows three circular vesicas containing figures of divinities; centre, perhaps female; right, standing Boshisattva; left, obliterated; colours: light red, dark red, pale blue, white and black.

Khora IV. i. 004. Base for statuette; oblong; incised lotus petals and chevrons; remains of paint; edges charred.

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Khora IV. ii. 001. Cup with tall stem, spreading foot and shallow bowl.

Khora IV. ii. 002. Painted panel with pink lotus with gilt centre; right and left. two water fowls on water facing each other; grey, white, black and pink.

Stucco.

Khora 002. Fragment of seated Buddha on throne of five horizontal tiers; red; soft buff clay.

Khora II. i. 002. Rosette from costume of figure; traces of paint.

Khora II. i. 003. Fragment of drapery with spiral bead ornament; blue.

OBJECTS FROM YING-P'AN SITE (Ying.)

Refuse heap near Ying I.

Pottery.

Ying. c. 01-03. Fragments, red and grey; 03, probably a lamp (*chirag*).

Wood.

Ying. a. 01. Pen (?).

Ying. a. 07, 011, 012. Fragments of twigs.

Ying. a. 08-010. Fragments of sticks. 08, 09, with traces of lacquer.

Ying. c. 04. Fragment of rope of twigs.

Ying. I. a. 01. Cleat.

Ying. I. a. 02. Strip, broken; lacquered red and black.

Ying. I. a. 03. Strip.

Ying. I. a. 04. Peg; wedge-shaped at one end.

Ying. I. a. 014. Fragments of vine-stem.

Textiles.

Ying. a. 03. Fragments, woollen; warp rib weave; buff and red.

Ying. a. 04. Fragments, woollen; warp rib weave; buff.

Ying. a. 05. Fragment of goat's-hair band.

Ying. a. 06. Fragment; woollen; fine, pink.

Ying. I. a. 06-08. Fragments, woollen; buff, salmon-pink. 08, yellow and red.

Ying. I. a. 011. Fragment, woollen; coarse.

Ying. I. a. 012. Fragment of goat's-hair string.

Ying. I. a. 013. Fragments, woollen; thin; salmon-pink.

Ying, I. a. 015. Fragment of woollen pile fabric; strong warp-rib weave; pile-tufts every tenth shoot of weft.

Ying. I. a. 016. Fragment; thick goat's-hair fabric; yellow.

Ying. I. a. 017. Fragment; woollen; warp-rib weave, salmon-pink.

Ying. I. a. 018. a, b. Fragments; woollen (*a*) loose, plain weave; (*b*) close, warp-rib weave; salmon-pink.

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Ying. I. a. 019, 021. Fragments; woollen; warp-rib; buff.

Ying. I. a. 020. Mass of woollen yarn; yellowish.

Leather.

Ying. a. 02. Strip of goat's-skin with remains of other strips sewn on; hair adhering.

Ying. I. a. 05, 09, 010. Fragments; 05, buff, hard. 09, buff, soft. 010, yellowish, hard.

Fibre and Grass.

Ying. a. 013. Fragment of rope.

Ying. I. b. 01. Bundle of grass.

Ying. I. b. 02. Wheat straw.

From Tati East and South-East of Ying I.

Pottery.

Ying. I. 06, 07. Fragments; horizontal reeding outside. 06, brown-grey. 07, grey-black.

Ying. I. 08. Fragment of upper part of jar; purple-grey with red surface; annular band of stamped rings between incised lines on neck.

Ying. I. 09. Fragment from neck and rim: red.

Ying. I. 010-013. Spinning-whorls made from potsherds; red.

Ying. I. 015. Fragment with incised chevrons between lines, red.

Ying. I. 016, 017. Fragments of crucible (?) with remains of green glaze (?) prepared in it.

Metal.

Ying. I. 014. Fragment of bronze slag.

Stone.

Ying. I. 04. Fragment; tubular; bulbous at ends; two or three holes in side.

Objects from Tati near Ying II.

Pottery.

Ying. II. 01, 02. Fragments with part of bird or animal scratched on outside; red, with buff slip.

Ying. II. 03. Fragment; grey; spongy.

Ying. II. 06, 011-016. Fragments probably parts of Ying. II. 01, 02.

Ying. II. 07-010. Fragments; 07-09, red. 010, grey.

Glass.

Ying. II. 05. *See* under Metal.

Ying. II. 019. Fragment of glass bead; spherical; reeded; blue.

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Metal.

Ying. II. 05. Silver pendant; ten-pointed star; raised centre with five white glass jewels round central glass boss.

Objects from Burial-Ground.

Pottery.

Ying. III. 2. 016. Jug with loop handle; ovoid body; incised chevron bands; coarse; red.

Glass.

Ying. III. 3. 06. Glass tumbler; conical; turning in towards flat base; bands of hollow-ground spots; greenish-white.

Metal.

Ying. III. 2. 03-05. Remains of metal discs from head-band of body; drilled for sewing to band; gold or gilt.

Ying. III. 2. 06-08. Three discs as preceding from head-band of another body.

Ying. III. 2. 09. Remains of bronze bowl; lacquered over canvas which is held to bronze by rivets and washers.

Ying. III. 3. 03-05. Three discs from head-band; as Ying. III. 2. 03-08.

Wood.

Ying. III. 1. 02-05. Fragments of cup with solid handle, as Ying. III. 2. 015; perished.

Ying. III. 1. 06. Fragment of tray.

Ying. III. 2. 014. Handle of cup, hook-shaped; remains of side of cup with bronze bands and rivets for attaching; lacquered red and black.

Ying. III. 2. 015. Cup with solid handle; bowl-shaped, with rather narrowed mouth; cup and handle cut out of the solid.

Ying. III. 2. 017. Food-tray; circular; cracked and repaired in antiquity.

Ying. III. 2. 018. Food-tray; elliptical; shallow; four circular feet cut in the solid with body of tray; ancient cracks repaired with double dovetail strips of wood secured by wooden dowels; shoulder and leg-bones of lamb (?) on tray.

Ying. III. 3. 07. Vase; echinus-shaped body from which rises slightly spreading sides; lacquered red and black with traces of pattern on upper part, black on red.

Textiles.

Ying. III. 2. 02. Crescent-shaped object (double thickness as though for cushion-cover) of close buff canvas, embroidered in chain stitch with floral and bird motif; colours: red, yellow, blue and green; at points of crescent are squares of crimson silk attached by their centres and forming a sort of tassel.

Ying. III. 2. 011. Fragment of woollen canvas; buff.

Ying. III. 2. 012. Fragment of felt; yellowish.

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Ying. III. 2. 013. Fragment of silk; red.

Ying. III. 3. 01. Fragments of silk head-bands with button-like knobs at ends; bands are double (tubular); rich crimson.

Ying. III. 3. 02. Fragments of silk shroud; buff.

Ying. III. 4. 01. Fragment of woollen trousers; buff.

Ying. III. 4. 02. Fragment of fine silk (?) canvas from coat; two strips, yellow and crimson; silk piping at one edge and a piece of crimson at one end of yellow; material closely resembles modern bunting, but is probably silk.

Ying. III. 4. 03. Fragment of woollen mat with goat's hair warp; woven in "paring" stroke.

OBJECTS FROM RUINED WATCH STATIONS BETWEEN YING-P'AN AND KORLA (Y.)

From Watch Station Y. I.

Metal.

Y. I. 02. Iron plate with loop carrying small ring; like sword-sling loop.

Y. I. 010. Bronze plate, heart-shaped, slightly embossed; with counter-plate of same shape, flat, and rivets between joining them.

Y. I. 011. Bronze plate; shield-shaped.

Y. I. 012. Fragment of bronze pendant; hollow cone, with sunk panels at sides for jewels or paste and bands of bead ornament; good work.

Y. I. 013. Bronze plate of buckle; square.

Y. I. 014. Bronze buckle-tongue.

Y. I. 015. Iron arrow-head; flat lozenge-shape; long tang.

Wood.

Y. I. 01. Awl handle, carefully made.

Y. I. 03. Fire-stick; female; charred "hearth" at end.

Y. I. 06. Fragment of arrow-shaft.

Y. I. 07, 08. Cherry-wood stick, broken in two (now joined), a hole in each end.

Textiles.

Y. I. 04. Fragments of woven woollen string shoe.

Y. I. 05. Fragments of plain silk and woollen fabrics.

From Watch Station Y. II.

Metal.

Y. II. 05. Fragment of bronze strap-loop.

Y. II. 06-08. Fragments of rectangular bronze plate with traces of relief pattern.

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Wood.

Y. II. 01. Fragment of comb.

Y. II. 02. Shuttle (?) or winder for thread; flat strip with two prongs at one end and three at the other.

Y. II. 09. Plasterer's "float"; flat, with handle on back.

Y. II. 013. Fragment of implement; a rectangular bar with peg through, near one end; peg with conical knob at one end and small hole as for linch-pin through other; at other end of bar the beginning of a rectangular hole (unfinished); perhaps intended for handle of spinning wheel.

Textiles.

Y. II. 010, 011. Pair of string sandals; cord sides continuous all round; 010, almost complete; 011, middle part.

Y. II. 012. Part of string sandal as preceding.

Paper.

Y. II. 014. Fragments of drawing of shrine (?) in red and black; a loggia with Chinese roof and attic storey; an object like a bell hanging inside and a plant to left in flower-pot; to right, a grotesque figure approaches carrying a second flower in flower-pot; right and left of attic storey, clouds (or cloud-like tails of dragons); two separate fragments join together but do not fit to first piece; they show a grotesque beast. All the pieces have punched holes following the lines of the drawing.

Fibre and Grass.

Y. II. 04. Fragment of grass fibre rope.

Miscellaneous.

Y. II. 03. Bone die with numbers marked by drilled depressions, one opposite six, two opposite four, three opposite five.

From Refuse of Watch Stations Y. III-V.

Wood.

Y. III. 01, 02, 05. Eating-sticks.

Textiles.

Y. IV. 01. Two fragments of woollen canvas.

Y. IV. 04. Tangle of goat's-hair string.

Fibre and Grass.

Y. IV. 02. Fragment of fibre rope.

Y. IV. 03. Tangle of fibre string.

Y. V. 01. Specimen of reed fascine from south-west corner of watch-tower.

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From Watch Station Y. VI.

Textiles.

Y. VI. 01. String sandal of type Y. II. 010, etc.; toe lost.
Y. VI. 02, 08. Fragments of plain silk, buff.
Y. VI. 03, 05-07. Fragments of woollen fabrics; buff.
Y. VI. 04. Fragment of hair (?) rope.

OBJECTS SAID TO BE FROM MERDEK-SHAHR (Mer.)

Metal.

Mer. 03. Bronze boss in form of quatrefoil.
Mer. 04-06. Bronze discs with scalloped edges.
Mer. 07. Bronze stud; heart-shaped head.
Mer. 08. Two bronze buttons with mushroom heads and loop shanks.
Mer. 09. Two buttons; heart-shaped heads and loop shanks.
Mer. 010. Bronze ring.

Stone.

Mer. 01. Lapis-lazuli bead; flat, rectangular; facetted corners.
Mer. 02. Lignite seal; square; large knob at back; pierced; device: Chinese characters.

OBJECTS FROM AGHRAK (Argh.)

Pottery.

Argh. 01, 02. Fragments.

Metal.

Argh. 04. Bronze seal.

OBJECTS FROM KUCHĀ.

Pottery.

Kuchā 073. Terra-cotta grotesque female squatting monkey; naturalistic; carries small monkey astride her shoulders and some object in lap.

Glass.

Kuchā 01, 0148. Fragments of glass seal rings; no traceable device.
Kuchā 09, 056, 058. Glass beads and fragments of beads of various shapes and colours; blue, yellow, gilded; banded, millefiori.
Kuchā 018. Glass button; cabochon; green.
Kuchā 051. Glass fragment; yellow.
Kuchā 0144-0147. Miniature glass ducks, pierced for threading.
Kuchā 0151. Glass seal; elliptical; device: hart, couchant.
Kuchā 0152. Glass seal; elliptical; concave; device: seated Buddha.
Kuchā 0153. Glass seal; elliptical; defaced.

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Metal.

Kuchā 02. Bronze seal; device in intaglio: a winged animal statant in a circle of pearls.

Kuchā 03. Bronze seal-ring; device: in intaglio, a lion passant.

Kuchā 04. Bronze seal-ring; device: corroded.

Kuchā 05. Bronze seal-ring; device: crude.

Kuchā 06. Bronze seal-ring; device: lion passant.

Kuchā 07. Bronze seal square; device: an X.

Kuchā 08. Bronze seal-ring; device: swastika.

Kuchā 011, 012, 015, 016, 019, 022, 025, 026, 029, 036, 046. Miscellaneous small bronze buckles, fragments of buckles and tags.

Kuchā 013, 014, 027, 031, 038, 039, 040, 045, 047, 048. Fragments of bronze.

Kuchā 017, 033, 034, 037, 042, 043, 052. Fragments of bronze wire.

Kuchā 020. Bronze centre boss from mirror.

Kuchā 021. Bronze "grelot" bell; broken.

Kuchā 023, 024, 030, 049. Fragments of bronze plate; mirror (?).

Kuchā 028. Bronze object, unidentified.

Kuchā 041. Bronze disc or coin with Kharoṣṭhī characters on one side.

Kuchā 059. Bronze arrow-head with bronze tang.

Kuchā 060, 0107. Bronze arrow-heads; hollow sided; barbed.

Kuchā 061, 063-068. Bronze arrow-heads; triangular section; hexagonal base, short blunt barbs and iron tangs.

Kuchā 062. Bronze arrow-head, two blades with central hollow rib and rounded point.

Kuchā 069. Bronze arrow-head; three thin blades, finely curved from tip to end of long barb, set round a hollow conical ferrule in which are three triangular holes between blades; fine work.

Kuchā 0101. Bronze seal, elliptical; loop at back; device: standing goose, well modelled, within enclosing line.

Kuchā 0103. Copper or bronze seal, lenticular; drilled from side to side; device: *obverse:* goose statant holding wreath in beak; *reverse:* head of duck rising from nest or water.

Kuchā 0104. Bronze bead in form of man's head with a sort of whimple round face.

Kuchā 0105. Bronze seal, lenticular; device: obscure.

Kuchā 0106. Bronze arrow-head; flat faces; long point; short barbs.

Kuchā 0110. Bronze ornament for belt (?), rectangular, with transverse slit, a hole at each corner, and a heraldic lion passant regardant, in relief.

Kuchā 0111. Bronze ornament; fragment, with scrolls.

Kuchā 0112. Brass ornament in low relief; subject: figure on raised seat holds mace in right hand resting on knee and sword upraised in left hand; *cf.* rat-headed deity on U. Z. 05.

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Kuchā 0113-0120. Bronze seals; 0113, circular; device: winged (?) stag, passant. 0114, square; device: heraldic beast (horse ?) passant, floral background. 0115, square; device: sphinx, passant, crowned, curved wing, tail between legs. 0116, square; device: stag, couchant regardant. 0117, square; device: leopard passant, open jaws, one fore-foot upward-curled, much curled tail. 0118, lozenge; device: grotesque dancing figure supported on two stems. 0119, square; device: Chinese lapidary characters. 0120, square; device: much contorted horse, couchant; "Siberian" type of beast; *cf.* Kuchā 0121.

Kuchā 0121. Bronze boss; device in relief: much contorted kneeling horse, "Siberian" type; *cf.* Kuchā 0120.

Kuchā 0122-0124. Bronze seal-ring; 0122, floral; 0123, leopard, passant; 0124, obscure.

Kuchā 0125. Bronze bird's head; hawk (?); cast hollow; well modelled.

Kuchā 0126. Bronze seal, circular; long shank; whirling-star boss at end; device: a long-horned goat with body curved to fit circle.

Kuchā 0154. Bronze seal; square; device: antelope passant, regardant with tree to left.

Kuchā 0155. Bronze seal; lozenge; device: human figure rising from floral scrolls, holding object in right hand.

Kuchā 0156. Bronze seal; elliptical; device: standing male figure in long coat, as on Kuṣana coins.

Kuchā 0157. Bronze seal; circular; device: hart, tripping; large antlers.

Kuchā 0158. Bronze seal; square; device: a kind of hippocamp with curved wing and tail.

Kuchā 0159. Bronze seal; square; device: Chinese lapidary characters.

Kuchā 0160. Bronze seal; circular; device: stag (?) statant.

Kuchā 0161. Bronze seal; square; device: triton figure with legs like curled dolphins' bodies, arms outspread.

Kuchā 0162. Bronze seal; square; device: stag (?) at rest.

Kuchā 0163. Bronze seal; circular; sunk face divided by three looped raised bands; *cf.* Yul. 048.

Kuchā 0164. Bronze seal; leaf-shaped; device: flying bird with long crest feathers, surrounded by pearls.

Kuchā 0165. Fragment of bronze stamp; device: quatrefoil of pipal-leaves.

Kuchā 0166. Bronze stud in form of stag's (?) head; rivet at back.

Stone.

Kuchā 032. Fragment of lignite seal.

Kuchā 035, 050. Fragments of lignite (?) equilateral triangular objects.

Kuchā 053. Fragment of crystal.

Kuchā 055. Eight beads of crystal, jade and cornelian.

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Kuchā 058. Fragments of beads; *see* also under Glass and Metal.

Kuchā 077. Fragment of agate; pointed dome-shaped; yellow.

Kuchā 078. Jade ring.

Kuchā 084. Agate bead.

Kuchā 085. Agate pebble.

Kuchā 0108. Graphite object; triangular, two long sides convex.

Kuchā 0109. Fragment of lignite seal; device: fret.

Kuchā 0132. Lignite stamp; conical; face, parabolic; device: crude; diverging stems.

Kuchā 0133. Lignite seal, two-sided; device: *obverse:* deer, tripping with large leaf-shaped object behind head, perhaps antlers. *Reverse:* lion with tail curling over back.

Kuchā 0134. Lignite seal; plano-convex; elliptical; device: *obverse*: scroll-work *reverse*: lion (?) statant, regardant.

Kuchā 0135. Lignite seal; circular; flat; device: *obverse:* intaglio, phoenix, standing; *reverse:* cameo, two opposed enclosed palmettes.

Kuchā 0136. Lignite stamp; square; barrel-loop at back; device: Chinese lapidary characters.

Kuchā 0137. Fragment of lignite stamp; device: faint lines traceable.

Kuchā 0149. Agate seal; pellet-shaped; device: crude; cypress tree (?) and a Chinese character or gateway.

Kuchā 0150. Agate bead; square; with border lines and square quatrefoils on both sides, etched by heat process. (For process, *see* note by F. H. Andrews quoted by Mackay in *J. R. A. S.* 1925, p. 699).

Stucco.

Kuchā 074-076. Three warrior heads; helmetted, curtains at sides and under chin; large wing-like ear ornaments; all from one mould.

Miscellaneous.

Kuchā 054, 079-083. Shell beads.

OBJECTS FROM KHITAI-SHAHRI SITE.

Pottery.

Khitai-shahri 01-04. Fragments. 01, from shoulder of vessel; incised annular lines with festoon between. 02, faint traces of incised pattern. 03, with toothed band in relief. 04, with bold cable band.

OBJECTS FROM TONGUZ-BĀSH SITE (Tong.)

Pottery.

Tong. 05-08, 011. Fragments. 05, from neck, fine terra-cotta. 06, fine terra-cotta. 07, fine, brown. 08, fine, red, glazed dark green. 011, fine pinkish-buff; scraped on outside.

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Stucco.

Tong. 010. Right half of warrior's helmetted head; helmet has knob at crown and curtain down back and under chin, as gorget; traces of white paint.

Textiles.

Tong. 01. Mass of raw cotton, with pods.

Tong. 02. Child's string sandal; type as T. XXIII. f. 01.

Tong. 04. Two fragments of plain ribbed silk; one dark red; one buff.

Fibre and Grass.

Tong. 03. Mass of hemp fibre from unravelled string.

Miscellaneous.

Tong. 09. Fragment of walnut-shell.

OBJECTS FROM TOGHRAK-AKIN SITE (T. A.)

Glass.

T. A. 01. Two glass beads; one facetted spheroid, blue; the other, ellipsoid, yellow; *see* also under Stone.

Metal.

T. A. II. i. 01. Fragment of bronze ornament; strip with applied cell-settings for jewels surrounded by bead border; bead or cable ornament applied, along edges of strip.

Stone.

T. A. 01. Bead; spheroid; bluish-white; *see* also under Glass.

Wood.

T. A. I. 01. Carved capital, square in plan where abacus joins, circular below where shaft would join; transition from circle to square formed by eight large leaves growing upwards with downward curved tips; well designed and rather Romanesque in style; abacus mouldings are all flat—fillet, quirk and chamfer.

T. A. I. 02. Fragment of lathe-turned baluster.

OBJECTS FROM TAJIK SITE (Taj.)

Pottery.

Taj. I. 04. Fragment of fine terra-cotta.

Glass.

Taj. I. ii. 01. Fragment from wall of vessel; clear green.

Metal.

Taj. 01. Bronze strap ornament (?); oblong; rounded point, one end, square the other; edges turned down; two rivets at back; ornamented with incised scroll-work.

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Stone.

Taj. I. 03. Pendant; flat, lotus-petal-shape; white.

Wood.

Taj. I. 01. Right hand, open, turned at right angles to wrist; web between fingers; dowel-pin in end (wrist); traces of white paint.

Taj. I. 02. Peg, cylindrical, tapering at one end; at one side, a small hole with wooden pin; traces of white and gilding.

Stucco.

Taj. I. i. 01. Head of Bodhisattva; hair loosely looped up in series of symmetrical locks, parting from central lock over middle of forehead and drawn up under straight jewelled band on crown; top-knot lost; partly burnt.

OBJECTS FROM YULDUZ-BĀGH SITES (Yul.)

Pottery.

Yul. 050. Terra-cotta fragment of grotesque lion or human head in relief.

Yul. 080-082. Fragments.

Glass.

Yul. 055. Glass pendant charm in form of male pudendum; greenish-blue.

Yul. 056, 057. Two glass pendants; flat, triangular; dark blue and dark pink respectively, streaked with opaque white lines and band of yellow.

Yul. 058. Fragment of glass pendant; three-limbed, one limb drilled; light blue.

Yul. 059. Glass seal; elliptical; device: ibex or horse; blue.

Yul. 060. Glass bead; barrel-shaped, channelled spirally; blue.

Yul. 062. Glass pendant in form of vase; white.

Yul. 064. Fragment of glass pendant or bead; green-yellow.

Yul. 065. Glass duck charm; yellow; pierced for suspension.

Yul. 067, 068. Two glass beads; soft, pink; glazed greenish-white.

Metal.

Yul. 01. Bronze nail-head; domical.

Yul. 02. Bronze lion-head; hollow, with central rod as shank for attachment.

Yul. 03. Bronze "grelot" bell, with ball-clapper and suspension loop.

Yul. 04. Bronze girdle-hook with stud for fastening to belt; Chinese type.

Yul. 05, 06. Two bronze rings.

Yul. 07. Open-work bronze ornament; pattern: four small rings round a central large one.

Yul. 09. Bronze circular border of embossed pearls; centre, open; two studs at back.

Yul. 010-012. Three bronze strap-loops; D-shaped, with studs at back.

Yul. 013-016. Four bronze buckles.

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Yul. 017. Half hinge; thum-shaped strip of bronze doubled and riveted, partly cut away at the fold where hinge-pin would come to accommodate the other half of hinge.

Yul. 018. Bronze girdle-hook with stud for attachment; small variety of Chinese type.

Yul. 019. Bronze shield-shaped ornament with rivet at back.

Yul. 020. Bronze girdle-hook with stud for attachment; hooked end lost; Chinese type.

Yul. 021. Fragment of bronze buckle; long D-shaped but straight side missing.

Yul. 022. Fragment of bronze ladder-shaped object, with rivets at back.

Yul. 023. Bronze tongue-shaped object, long and narrow with circular loop at broad end.

Yul. 024. Bronze shaft; hexagonal in cross section with elaborately moulded knobs at ends.

Yul. 025. Fragment of bronze plate with traces of Chinese "strap" ornament in low relief.

Yul. 026, 027. Two bronze strap-loops. 026, D-shaped. 027, square.

Yul. 028. Bronze strap-loop; elliptical; front and back plates joined by rivets with space between for thickness of strap.

Yul. 029-031. Three bronze buttons; 029, square; 030, 031, circular, domical.

Yul. 032-040. Bronze arrow-heads. 032, long, round central shaft with iron tang; three slightly projecting blades without barbs. 033-036, type (a). 037-039, type (a) but with slight barbs. 040, type (b) sharply pointed and barbed.

Yul. 041-049. Bronze seals or studs. 041, round; device: peacock, with tail displayed. 042, square; device: obscure. 043, square; device: obscure. 044, standing beast (?) with upraised tail. 045, disc with stud shank; device: obscure. 046, square with stud shank; device: seated figure with upraised arms. 047, square with ring shank; device: standing winged griffin. 048, disc with rectangular loop-shank; device: modified swastika. 049, disc with shank and lozenge-shaped head; device: on each face a sort of voluted swastika.

Yul. 051. Fragment of bronze rod, tapering.

Yul. 075, 076. Fragments of bronze seal-rings; 075, elliptical table; device: head in profile; close cap with head-band. 076, elliptical table: device: obscure.

Yul. 084. Fragment of bronze pendant; bell (?); crushed flat.

Stone.

Yul. 08. Miniature hand with fingers doubled; greenish-blue (paste ?).

Yul. 052. 053. Two sticks of graphite or ink; tapering.

Yul. 054. Fragment of lignite pendant or seal; flat, triangular; drilled lengthways.

Yul. 061. Fragment of agate pendant; drop-shaped; white.

Yul. 063. Fragment of cornelian bead; barrel-shaped (?).

Yul. 066. Fragment of cornelian bead; etched with white lattice.

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Yul. 069. Graphite (?) seal; device: quatrefoil.

Yul. 070. Graphite (?) seal; pyramidal; device: obscure.

Yul. 071-074. Lignite seals; 071, truncated pyramid; device: animal (?) within pearl border. 072, flat, elliptical; device: *obverse:* a head (?); *reverse:* scroll. 073, flat elliptical; device: *obverse:* dragon-like scroll; *reverse:* obscure. 074, square with tunnel-like shank; device: Chinese seal character (?).

Yul. 078. Lignite seal; flat, kidney-shaped; device: *obverse:* head in profile with elaborate Sasanian (?) head-dress; *reverse:* scrolls.

Stucco.

Yul. 079. "Snail-shell" curl of hair; traces of grey paint.

Textiles.

Yul. 083. Fragment of silk; ribbed; traces of red dye.

MING-OI OF JIGDALIK (Jig.)

Metal.

Jig. I. i. 05. Fragment of iron or steel knife-blade, single-edged; similar to Kao. III. 0172.

Miscellaneous.

Jig. I. i. 06. Fragment of ornamental bone plate formerly rivetted to some flat surface a short, black, horn rivet still remaining in one of the two holes.

Kelpin to Kāshgar.

KELPIN lies on the Ak-su-Yarkand route about 260 miles SW. of Kuchā, about 90 miles SW. of Ak-su and about 45 miles S. of Uch-Turfān.

KUDUGHAN, about 20 miles S. of Kelpin.

CHONG-TIM, 25 miles S. of Kelpin and 6 miles SE. of Kudughun.

LĀL-TĀGH, site 15 miles SW. of Chong-tim.

TUMSHUK, 20 miles S. of Chong-tim.

KHĀKĀN-SHAHRI (with Tumshuk).

Marāl-bāshi, 30 miles WSW. of Tumshuk.

C. XXV is 35 miles SE. of Marāl-bāshi at the S. end of the Chol-kōl.

C. XXVII, 18 miles SE. of C. XXV.

KARA-TĀSH, 64 miles W. of Marāl-bāshi and 60 miles NE.

DULDUL-ÖKÜR, about 36 miles NE. of Kāshgar.

Yarkand, about 120 miles SSW. from Marāl-bāshi.

Kāshgar, about 130 miles nearly W. from Marāl-bāshi.

OBJECTS FROM DÉBRIS AREAS SOUTH OF KELPIN.

Glass.

Kelpin 0010. a-h. Glass beads; (*a*, *b*) spherical; millefiori. (*c*) spherical; honey-coloured glass. (*d*) cylindrical; light blue paste. (*e*) spherical; blue. (*f*) cylindrical;

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Yul. 017. Half hinge; thum-shaped strip of bronze doubled and riveted, partly cut away at the fold where hinge-pin would come to accommodate the other half of hinge.

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Stucco.

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OBJECTS FROM DÉBRIS AREAS SOUTH OF KELPIN.

Glass.

Kelpin 0010. a-h. Glass beads; (*a*, *b*) spherical; millefiori. (*c*) spherical; honey-coloured glass. (*d*) cylindrical; light blue paste. (*e*) spherical; blue. (*f*) cylindrical;

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black with white rings. (*g*) double-drum-shaped; yellow glass. (*h*) fragment of triangular pendant; yellow glass.

Metal.

Kelpin 004-007. Bronze seals. 04, circular; device: horse (?), advancing left. 05, elliptical; device: obscure. 06, elliptical; device: bearded head. 07, triangular; device: obscure.

Kelpin 0012. a-m. Thirteen bronze plates, whole or fragmentary; parts of buckles; all with rivets or rivet-holes and slit for passage of strap.

Kelpin 0013. a-e. Parts of bronze buckles. (*a*, *b*) oblong. (*c*, *e*) elliptical; (*e*) complete with ring, tongue and attachment.

Kelpin 0014. a-c. Three bronze pendants in form of dancing figures with suspension ring above head. (*a*) complete. (*b*, *c*) fragments.

Kelpin 0015. a-g. Seven ornamental bronze plates with rivets at back; (*a*) square. (*b*, *c*) shield-shaped. (*d*, *e*) heart-shaped. (*f*) quatrefoil. (*g*) two crescents back to back.

Kelpin 0016. Lead disc; *obverse:* convex, with relief rosette; *reverse:* flat; pierced through centre.

Kelpin 0017. a, b. Fragments of bronze brooch with circular cells for jewels.

Kelpin 0018. Crescent-shaped bronze ornament.

Kelpin 0019. Fragment of bronze ring.

Kelpin 0020. Bronze reel-like object, the flange at one end of central cylinder having petalled edge.

Kelpin 0021. Bronze fragment of ornamental buckle (?).

Kelpin 0022. Flat bronze rod with middle grooved, ornamented and pierced; tapers towards ends, one with spoon-like depression, the other broken.

Kelpin 0023. Fragment of bronze tubing with flange at one end.

Kelpin 0024. Fragment of bronze pendant; two volutes with ring between.

Kelpin 0025. Fragment of bronze rod; flat ring in middle; triangular member on either side and a plain knob projects either way.

Kelpin 0026. Fragment of bronze sickle-shaped ornament, with two rivet-holes.

Kelpin 0027. a-e. Five bronze fragments. (*a*) part of elliptical buckle. (*b*) fragment of ornamental plate. (*c*) part of buckle-plate. (*d*) hook. (*e*) end of pendant (?) three balls depending from crescent.

Stone.

Kelpin 003. Cornelian seal; elliptical; device: female bust.

Kelpin 0010. k. Bead, disc-shaped; white pebble.

Kelpin 0011. a-c. Fragments. (*a*) seal, elliptical; no device; chalcedony. (*b*) heptagonal cornelian. (*c*) cylindrical; brown.

Miscellaneous.

Kelpin 002. a-d. Four kauri shells.

Kelpin 0010. j. Spherical berry (?): black.

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OBJECTS FROM DESERT, NEAR KUDUGHUN (Kud.)

Metal.

Kud. 009, 0010. Two lead discs.

Kud. 0014, 0015. Bronze seals; 0014, circular; device: obscure. 0015, elliptical; blank.

Kud. 0016. Fragment of bronze handle (?).

Kud. 0017. Bronze seal; circular; device: two confronting birds.

Stone.

Kud. 0011. Pendant; cornelian; widening towards lower end.

Kud. 0012. Pendant; cornelian; octagonal bar with pointed ends.

Miscellaneous.

Kud. 0013. Fragment of shell; oblong; pierced twice, lengthways; white.

OBJECTS FROM CHONG-TIM SITE (Chong-tim)

Pottery.

Chong-tim 001-004. Fragments. 001, ornamented with incised intersecting chevrons. 002, from bowl; red, glazed mottled green. 003, from neck and shoulder of vessel. 004, ornamented in low relief, probably by means of stamps impressed on moist slip, chevron arrangement of pearl bands with boss and pearl rosettes in spaces and annular bands.

Glass.

Chong-tim 006-0012. Fragments of translucent green glass. 006, shows rolled rim. 0011, 0012, have applied bands; early mediaeval.

Chong-tim 0034-0036. Fragments of glass. 0034, end of rod. 0036, half of bead; spherical; yellow.

Chong-tim 0047. a-g. Glass beads. (*a*) spheroid; half; green and buff. (*b*) disc; half; red, yellow, green and white. (*c*) cylindrical; green. (*d*, *e*) discs; blue. (*f*) disc; green. (*g*) triangular; millifiori green and yellow with centre spot, yellow and red.

Metal.

Chong-tim 0022. a-e. Bronze fragments. (*a*, *b*) plain rings. (*c*) wire ring. (*d*) broken pendant (?) crescent with suspension ring at centre. (*e*) straight tapering bar ending in ball and ring.

Chong-tim 0024. Fragment of slag.

Chong-tim 0025. a, b. Fragments of bronze plate.

Chong-tim 0028, 0029. Fragments of bronze ornaments. 0028, pair of hollow bosses, joined at sides. 0029, semicircular disc with two rivets at back.

Chong-tim 0032, 0033. Fragments of bronze buckles; plates, slit for passage of strap, with rivets at back.

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Chong-tim 0038. Fragment of bronze buckle; square plate with loops of hinge at one edge and rivet at back.

Chong-tim 0039. Bronze disc.

Chong-tim 0040. Hollow bronze rod with knob at end and part of hook at side, near knob.

Chong-tim 0041-0044. Bronze fragments. 0041, 0042, pair of oblong rings. 0043. heart-shaped ring. 0044, open-work ornament.

Stone.

Chong-tim 0023. Fragments of rock-crystal.

Wood.

Chong-tim 0027. Lathe-turned reel; traces of red lacquer.

Chong-tim 0045. Fragment of root.

Stucco.

Chong-tim 0026. Spinning-whorl; grey clay.

Textiles.

Chong-tim 0049. a, b. Fragments. (*a*) cotton check in light and dark blue with fragment of plain buff attached. (*b*) band in several layers, of brown cotton fabric.

Miscellaneous.

Chong-tim 0021. a-c. 0031. a, b. Fragments of sulphur.

Chong-tim 0037. Shell bead; disc.

Chong-tim 0048. Kernel of nut.

OBJECTS FROM LĀL-TĀGH SITE (L. Tagh)

Pottery.

L. Tagh 02, 03. Fragments. 02, red, glazed green. 03, red, with buff slip.

Glass.

L. Tagh 05. Fragment, turquoise colour.

L. Tagh 07. Ring-shaped bead; dark, opaque.

Metal.

L. Tagh 04. Bronze collar; conical; with bead moulding round one end; cast.

L. Tagh 06. Bronze finger-ring, thickened at bezel into projecting keel-shape.

Wood.

L. Tagh 01. Finial; split and perished.

Stucco.

Lal-tagh 001, 002. Fragments of two left feet; red clay. 002, burnt.

Lal-tagh 003. Pair of hands, palm to palm; thumbs, lost; red clay; burnt.

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Lal-tagh 004. Part of oval jewel with traces of paint; red clay; burnt.

Lal-tagh 005. Top-knot of hair; traces of paint; red clay; burnt.

Lal-tagh 006. Circular ornament; central boss surrounded by smaller bosses and an outer ring of pearls; red clay; burnt.

L. Tagh 08. Fragment of face-mask of elephant; probably burnt.

L. Tagh 09, 016, 017. Top-knots of hair; burnt.

L. Tagh 010. Part of top-knot; larger scale than preceding; burnt.

L. Tagh 011. Relief representing dragon devouring human being, who tries to resist; well modelled; burnt.

L. Tagh 012, 014. Five-strand cord and tassel from valance, the tassel formed of four radiating lotus buds; traces of colour on 014.

L. Tagh 013. Stem with leaflets growing from either side.

L. Tagh 015. Right hand, open, showing lotus in relief on palm; red clay; burnt.

L. Tagh 018. Rosette; burnt.

L. Tagh 020. Arch of beads bordered by fillets, enclosing standing peacock (?) from *mukuṭa* of figure (?).

L. Tagh 021. Fragment of human face; life-size; well modelled; burnt.

OBJECTS FROM WEST OF TUMSHUK (Khākān-shahri, Tumshuk)

Pottery.

Khākān-shahri 001. Fragment, bright red; burnished.

Stucco.

Tumshuk 0010. Foot.

Tumshuk 0012. Jewel and bead ornament.

Tumshuk 0013. Top-knot of hair.

Tumshuk 0014. Ornament.

Textiles.

Tumshuk 0015. Fragments; felt, yellow; woollen fabric, plain, red.

OBJECTS FROM THE DESERT SE. OF CHOK-TĀGH (C. XXV., C. XXVII)

Stone implements.

C. XXV. 02, 03. Points; 02, arrow-head, Neolithic; chert. 03, flint.

C. XXVII. 01, 05. Chert cores.

C. XXVII. 02-04, 06, 08. Fragments variously worked.

C. XXVII. 07. Fragment of hone (?); hard, grey.

Miscellaneous.

C. XXVII. 09. Shells found on dune.

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OBJECT FROM KARA-TĀSH.

Textile.

Kara-tāsh 02. Fragment of yellow felt.

OBJECT FROM DULDUL-ÖKÜR.

Wood.

Duldul-ökür 01. Fragment of elliptical carved vesica with pointed extension at top; border of V-cut rays; field of long radiating petals.

Kashgar to Sīstān.

The route from Kashgar to Sīstān followed by Sir Aurel Stein in July 1915 lay first in a westerly direction along the Alai Valley, the old silk route by which Chinese traders approached their Western markets. A detour to the SSW. brought him to KALA-I-WAMAR in Roshan and thence northward to rejoin the silk route at Kara-tegin. Proceeding in a WNW. direction he reached Samarkand, on the Russian Central Asian Railway. Askabad on the Persian border is SW. of Samarkand and on the railway, and Sistan is almost due S. of Askabad by way of Meshed, MUJNABAD and Tabbas.

KALA-I-WĀMAR is about 250 miles in a direct line WSW. of Kashgar.

Samarkand lies roughly 300 miles in a direct line WNW. of Kala-i-Wāmar.

Meshed, 450 miles SW. of Samarkand.

MUJNĀBĀD, 150 miles S. of Meshed.

Tabbas, 100 miles S. of Mujnābād.

KHURUMAK site, about 5 miles from Tabbas.

The Helmand Delta where the remaining sites in the following lists are scattered lies about 150 miles SSE. of Tabbas, in Sistan.

OBJECTS FROM FORT HISSAR, WAKHAN.

Pottery.

F. Hissar 01-09. Fragments.

OBJECTS FROM KALA-I-WĀMAR.

Wood.

Kala-i-Wāmar 01. Carved window frame consisting of two cusped-arched openings divided by a central, carved pillar.

Kala-i-Wāmar 02. Carved torch-holder, to hang on the wall.

OBJECTS FROM MUJNĀBĀD (Muj.)

Pottery.

Muj. 01. Fragment from base of bowl; ring foot; glazed inside green; black rosette inside.

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Muj. 02. Fragment from base of bowl; ring foot; glazed inside white; patterns in grey outline and touches of bright green and grey-blue.

Muj. 04-06, 08. Fragments. 04, from lip of bowl; glazed partly turquoise changing to yellow. 05-06, turquoise glaze inside with linear patterns in black. 08, from lip of bowl; glazed turquoise; bold black pattern inside.

Metal.

Muj. 09-011. Bronze. 09, bulbous object with trumpet-shaped projections above and below with incised ornament and Kufic characters. 010, baluster-shaped object. 011, peacock finial with tang below.

Stone.

Muj. 03. Fragment of vessel with band of incised cross-hatching.

OBJECTS FROM NEAR KHURUMAK, TABBAS (Khu.)

Pottery.

Khu. 01, 03-06, 08, 015, 017-025, 028, 030, 032, 036, 037, 047-049, 052. Fragments, glazed white over light buff body; painted decoration in tones of blue; Perso-Chinese.

Khu. 07, 016. Fragment of rim of bowl in two pieces; glazed white over white porcellaneous body; decorated with dragon and scrolls in blue with black outlines.

Khu. 026, 053. Fragments, buff body; glazed green.

Khu. 027. Fragment from rim of vessel; starch-white glaze over porcellaneous body; decorated blue; Chinese (?).

Khu. 029. Fragments, glazed white over buff body inside; Wedgewood-blue outside.

Khu. 031. Fragment from rim of bowl; very thin; painted in blue with standing Chinese figure in long robe.

Khu. 033-035, 042, 043. Fragments; body, terra-cotta with white slip inside, covered with black and decorated by sgrafitto method; greenish-blue glaze.

Khu. 039, 040, 044. Fragments of bowls; glazed fine pale blue-green over white slip; body, buff; decoration in blue-green and fine black.

Khu. 045, 046, 051, 054. Fragments, glazed green-blue over buff body; floral decoration in black.

Khu. 050. Fragment; glazed fine turquoise over buff body.

Khu. 053. Fragment of bowl; glazed grey over buff body.

Khu. 055. Fragment; glazed white inside over buff body; decoration in cobalt.

Khu. 056. Fragment; terra-cotta; raised band on one edge and part of palm-leaf pattern in relief on lower surface.

Glass.

Khu. 057-059. Fragments; pale green.

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Metal.

Khu. 02. Bronze disc with scalloped edge.

OBJECTS FROM GHĀGHA-SHAHR (Gha.)

Ghagha-shahr is a ruined site at the SE. end of the sacred hill of Koh-i-khwaja which rises abruptly from the centre of the Hamun marshes. Besides the objects described in the lists below, some very interesting, although badly damaged, wall paintings were recovered from one of the ruined buildings and are now set up in the Central Asian Antiquities Museum in New Delhi.

Pottery.

Gha. 01. Fragment with incised pattern; dark grey-brown.

Gha. 02-04, 06, 08. Fragments with regularly, horizontally ribbed surface; terra-cotta.

Gha. 012. Fragment, faintly ribbed inside and band of burnished lines outside.

Gha. 013. Fragment, with pair of raised bands outside nicked to form a sort of nail-head ornament.

Gha. 014, 015. Fragments; 015, shows thickened, rounded rim regularly nicked, suggesting cable pattern.

Gha. ii. 01, 02. Fragments, glazed turquoise inside and decorated with spiral and leaves in blue-black.

Gha. ii. 09. Fragment, terra-cotta, glazed dark turquoise, inside.

Textiles.

Gha. ii. 03. Fragment of strong woollen (?) fabric, probably from shoe-sole.

Gha. ii. 04-07. Fragments. 04, strip of woollen cloth, pale blue. 05, bundle of thin woollen yarn, white. 06, pieces of fishing (?) net stained brown. 07, felt.

Gha. ii. 08. Fragment of silk woven in bands of dull brown, buff and pale pink stripes.

OBJECTS FROM SHAHRISTĀN (Shahr.)

Pottery.

Shahr. 01, 013, 025, 028, 029, 031, 032, 040, 042, 044, 045. Fragments with various simple incised ornaments.

Shahr. 02, 03, 08-011, 014, 017, 023, 033, 036, 037. Fragments, variously ornamented, 02, mouth and shoulder of vessel with band of leaf-impressions. 03, shoulder, with raised dented band. 08, from shoulder, with loop handle and band of raised vandykes. 09, loop handle and shoulder, with rows of triangular dents and band of deeply cut triangles. 010, lip with raised band below and festoon combing below band; lip, notched. 011, shoulder, with raised band, dented. 014, shoulder with bands of incised triangles and meanders. 017, from circular disc with dented rib between incised lines. 023, shows three rows of closely placed impressed leaf-shapes with square-stepped serrations and raised

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annular line below. 033, with band of fluting and rings; below, a zone of large zigzag or triangles composed of lines of impressed rings. 036, from mouth and neck with raised notched rib. 037, from shoulder; a broad zone divided in "triglyphs" of straight vertical combing alternating with wavy vertical combing; above, horizontal wavy combing; below, festoon combing.

Shahr. 04, 05, 015. Fragments, plain; red body.

Shahr. 06, 07, 016, 019, 021, 022, 024, 027, 030, 034. Fragments ornamented with leaf-shaped impressions; the leaf, usually serrated, is a smooth-edged pine-cone-shape on 030.

Shahr. 012, 035, 039. Fragments, plain, with burnished lines; rich red.

Shahr. 026. Fragment, broadly ribbed inside painted with unintelligible from in black; very crude.

Shahr. 041. Fragment from shoulder; incised band of festoon combing.

OBJECTS FROM ĀTISH-KADAH (Atish.)

Pottery.

Atish. 02. Fragment of disc (lid ?); rich red.

Atish. 03, 06. Fragments from shoulders; 03, with band of impressed palmate leaf-forms; below, horizontal ribbing. 06, shows scar of handle attachment; two leaf-stamp impressions on shoulder.

Atish. 04. Fragment, ribbed; red.

Atish. 05. Fragment with faintly burnished annular lines and band of combed festoon above.

Atish. 07, 08. Fragments, plain; red.

Atish. 09. Fragment from mouth and shoulder; a pair of thin channels and above, a single incised scalloped line; below, a single-line "Greek" wave fret.

Atish. 010. Fragment of reeded, loop-handle; red.

Atish. 011. Whorl, echinus-shaped with incised rings and rays.

OBJECTS FROM ZĀHIDĀN (Zah.)

Pottery.

Zah. 01. Fragment; very hard; dark grey.

Zah. 02-04. Fragments of dishes. 02, glazed dark green over red body; floral pattern in grey. 03, glazed dark green over buff body; floral border in grey. 04, similar to 02, but of lighter colour.

Zah. 05, 09. Fragments, ribbed outside; grey.

Zah. 06, 07. Fragments from same (?) vessel; incised with bands of triangles and radiating lines between.

Zah. 08. Fragment from edge of dish; glazed white; decoration in grey with dabs of turquoise.

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Zah. 011. Fragment of dish; glazed white over red body; decoration of clouds and scrolls in cobalt blue.

Zah. 012. Fragment of dish; glazed fine deep turquoise; floral pattern in black.

Zah. 012. a. Fragment from edge of dish; glazed white over buff body with pattern in cobalt blue.

Zah. 013-015. Fragments from dishes; glazed white over white body; floral pattern in blue outlined grey.

Zah. 016. Fragment; glazed white over pink body; bold pattern in black.

Zah. 020. Fragment of bowl; glazed white over white porcelain body; pattern in hazy blue; Chinese (?).

Zah. 021. Fragment from thin lip of bowl; glazed white over white body; floral pattern in blue.

Stucco.

Zah. 010. Fragment of plaster, white and red.

OBJECTS FROM GHALA-TAPPA (Gh. Ta.)

Pottery.

Gh. Ta. 01, 07, 09, 015-017. Fragments, glazed green over buff or brown body.

Gh. Ta. 02. Fragment; buff.

Gh. Ta. 03, 05. Fragments; terra-cotta; decorated with incised curves and meanders made with comb.

Gh. Ta. 06. Fragment; glazed over pale pink slip on terra-cotta body; painted band of red edged with brown.

Gh. Ta. 08. Fragment; terra-cotta; decorated with incised annular lines and rosette and other ornament in relief.

Gh. Ta. 010, 011, 012, 013, 014. Fragments; terra-cotta; ribbed; 013, burnt black inside.

OBJECTS FROM BURJ-I-AFGHĀN AND BĪBĪ-DŌST (B-i-A.)

Pottery.

B-i-A. 01. Fragment; ribbed; red.

B-i-A. 02. Fragment; incised willow-leaf shapes made with triple-toothed tool; vertical zigzags between diverging edges of leaves; closely resembles chalcolithic painted pattern.

B-i-A. 03-05. Fragments, each with part of ring-base; glazed turquoise; floral pattern in grey.

B-i-A. 06-08, 023. Fragments. 06, with ring-base; glazed grey (discoloured) inside, over terra-cotta body; bold pattern in black with blobs of liver-coloured glaze. 07, glazed mottled turquoise; pattern, a black star. 08, glazed dirty white inside with bold rosette in black outline; green centre. 023, glazed turquoise inside; pattern: black tree within circle.

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B-i-A. 09. Fragment of cover (?) for bowl; glazed white with traces of green; floral border, white with black background and within, floral scrolls with green spots.

B-i-A. 010. Fragment of bowl; glazed greenish-white over buff body.

B-i-A. 012, 014, 016, 027. Fragments of bowls; glazed white over red body; 012, 016, 027, with patterns in black; 027, with blue patches.

B-i-A. 013, 015, 018-021, 024, 033. Fragments; glazed various shades of green; decorated with patterns in black.

B-i-A. 017. Fragment of bowl; glazed pale turquoise over terra-cotta body; pattern: black scrolls.

B-i-A. 022. Fragment; ribbed; glazed copper-green.

B-i-A. 025. Fragment of dish; glazed starch-colour over buff body; decorated with conventional pattern in cobalt, green and black.

B-i-A. 026. Fragment; glazed pale turquoise inside and out, over buff body; decoration of spots (pearls) on black bands.

B-i-A. 029, 031, 032. Fragments with incised comb-drawn ornament.

Bibi-dost 01. Fragment of dish, decorated with floral design in white on dark brown ground.

OBJECTS FROM NĀD-'ALI.

Pottery.

Nad Ali 01-04, 011. Fragments; ribbed; buff; 01, with patches of green glaze.

Nad Ali 05, 06. Fragments; ribbed; buff; band of incised lines outside.

Nad Ali 08. Fragment; glazed white over buff body; dark grey-blue on flat surface of rim.

Nad Ali 09, 010. Fragments; ribbed; terra-cotta.

Metal.

Nad Ali 012-015. Bronze. 012, grotesque hawk. 013, grotesque lion. 014, hollow hemisphere with loop at crown and six hook-like points set round edge (tassel-top ?). 015, miniature plate-shaped object with loop in hollow of bowl.

OBJECTS FROM PUSHT-I-GAU (Pusht.)

Pottery.

Pusht. 01-03, 08. Fragments; stoneware. 01-03, glazed white with patterns in grey and black lines. 02, with washes of bright blue; 03, with pale blue lines. 08, glazed grey-green (celadon) over raised pattern of fern-like fronds.

Pusht. 05-07, 09, 010, 012, 013, 016-020. Fragments. 05-07, 010, 013, 018, 019, glazed dark green with bold black patterns. 09, glazed white with pattern in black. 012, glazed yellow-brown inside. 016, glazed all over green-blue, irridescent, and two black lines. 017, glazed white with cobalt blue and black pattern. 020, bright blue on top, white below.

Pusht. 011, 014, 015. Fragments; ribbed. 011, buff. 014, grey, 015, terra-cotta.

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OBJECTS FROM SALIĀN (Sal.)

Pottery.

Sal. 01, 04, 07, 08, 012-014, 016. Fragments, glazed. 01, ochre yellow inside over terra-cotta. 04, traces of black glaze over red slip. 07, white inside over terra-cotta with decoration in grey-black and blue-green. 08, white on upper part outside and yellow-white inside with decoration in black and bright green. 012, grey stoneware, glazed white inside; blue decoration. 013 (part of 04) black inside. 014, both sides turquoise with black lines and leaf-like dabs; ribbed. 016, both sides glazed white with purplish patch at one end inside.

Sal. 02, 05, 010. Fragments; ribbed; terra-cotta.

Sal. 03, 09, 011. Fragments; 03, incised annular lines; above, zigzag band in relief; below, two "willow-leaf" forms. 09, incised festoon. 011, incised annular lines.

Sal. 06, 015. Fragments; faintly ribbed inside.

OBJECTS FROM SURHDIK.

Pottery.

Surhdik 01, 03, 06, 08. Fragments; terra-cotta. 01, glazed pale grey-green inside. 03, glazed brilliant turquoise inside. 06, dark liver-colour glaze over dark purplish body, mottled with green-grey. 08, similar to 01.

Surhdik 02, 04, 05, 07. Fragments. 02, glazed white inside over terra-cotta body; floral pattern in grey with green spots. 04, glazed over dull yellow ochre body, painted with black spirals and leaves; glaze perished. 05, glazed inside over elaborate floral pattern in black with green patches; outside, a solid band of black. 07, glazed both sides white, over light grey body with pattern in cobalt blue.

OBJECTS FROM SĀR-O-TĀR (Sar.)

Metal.

Sar. 01. Bronze seal; circular face; shank with loop at end; device: scrolls of uncertain meaning.

Sar. 02. Bronze standing bird on flat, roughly semicircular base with small loop projecting from edge; seal (?).

Sar. 03. Bronze knob with slightly pointed top.

Sar. 04. Bronze miniature bird; hawk (?).

OBJECTS FROM TAKHT-I-RUSTUM.

Pottery.

Takht-i-Rustum. 01-014. Fragments, terra-cotta. 01, with scar of handle (missing). 02, 04-014, ribbed. 03, bottom of vessel with raised spiral on inner surface.

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OBJECTS FROM SITE A., EAST OF SARBISHAH (A.)

Pottery.

A. 01, 03, 04, 06-017, 020, 021, 023, 030, 031. Fragments, mostly from dishes; glazed white; painted with arabesque patterns in brown-black, brick-red, pink and yellow-green.

A. 018, 026, 033-036. Fragments, unglazed; pale buff; with stamped and incised patterns.

A. 022. Fragments of dish; rim; glazed yellow-green with green patches; annular lines and floral pattern.

A. 025. Fragment, tubular, glazed blue-green and ornamented with zigzag and vertical channelling.

A. 027, 028. Fragments from bowl or bowls; decorated with panels of mottling.

A. 029. Fragment of small hand lamp (*chirag*); glazed patchy yellow-green; over white slip and red body.

Glass.

A. 032. Fragment from nozzle of spout; greenish-white; with applied "cable" band.

OBJECTS FROM RUINED FORT B., NEAR KHUNIK (B.)

Pottery.

B. 01-015, 017, 018. Fragments; glazed white and tints of blue and green. 03, 06, 08, 010, ribbed outside. 02, 014, 018, decorated with floral patterns in grey or black.

General note on the Pottery from sites of the Southern Helmand Delta.

The fragments may be divided into two main sections: prehistoric and later.

Prehistoric: body buff, terra-cotta and grey of various shades. Mostly painted in black or brown; the patterns, simple geometrical elements generally effectively contrasted and arranged. The motifs are: straight lines, zigzag, triangle, lozenge and square, semicircle and forms resulting from interlacing or overlapping arcs, S-shapes and festoons. Natural forms are very rare.

A peculiarity of the use of the repeating triangle is that very rarely does a side of the triangle coincide with the border lines of the zone containing it—all three sides are free.

There is no evidence of handles in any of the fragments.

Later: comprises both glazed and unglazed ware; painted and plain; incised and relief ornament.

OBJECTS FROM ĀKHUR-I-RUSTUM (Akh.)

Pottery.

Akh. 03-08. Fragments; 03, from bowl; raised annular rib, notched. 04, plain, buff. 05, 06, with polished red slip. 07, glazed yellow-green. 08, ribbed inside.

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Akh. 09, 011-013, 016. Fragments; buff; patterns in brown and brown-black. 09, has curved lines and cross-hatching. 011, 013, annular lines and "festoons." 012, annular lines and oblique wavy line. 016, annular lines.

Akh. 010. Fragment; red, greenish-buff surface.

Akh. 014. Fragment; light buff, with small punched rings all over.

Akh. 015. Fragment; pale pink slip over red body; painted with two curved lines and a parallel "scrabbled" line.

Akh. 017, 018. Fragments: grey; painted with annular lines. 018, zigzags and ladder-like hatching.

Metal.

Akh. 021. Fragment of iron snaffle-bit (?).

Stone.

Akh. 01, 02, 019, 023. Fragments of vessels. 01, from alabaster bowl. 02, from rim of straight-sided alabaster jar. 019, from lip of sloping-sided jar. 023, from side of vessel; annular, incised lines with incised cross-hatching below; grey.

Akh. 020. Fragment of agate.

Miscellaneous.

Akh. 022. Shell bead, tubular.

OBJECTS FROM MACHĪ.

Pottery.

Machi 01, 03, 04. Fragments. 01, fig-shaped pot, buff. 03, rim, painted with pair of annular lines and wavy line between; burnished; red. 04, painted with zone of festoons and cross-hatching in yellow-brown; buff.

Machi 05. Fragment of globular vessel; painted with intertwining meanders in yellow-brown; buff.

Machi 06-08. Fragments; 06, painted with annular lines and part of triangle, in brown. 07, pale buff. 08, green-buff.

Machi 010, 011. Fragments of bulbous vessel with two annular keel-shaped ribs with wavy raised line between forming stylised leaf outlined black; cross-hatched ground.

Machi 012, 013, 025. Fragments. 025 painted with linked squares; grey body, fine texture.

Machi 015, 028, 059, 060-063. Fragments, glazed over terra-cotta body. 015, rich blue, inside. 028, yellow-brown. 059, pale sage-green, ribbed inside. 060, sage-green. 061, fine grey-green. 062, pale grey, mottled with brown inside. 063, mottled green and dark grey outside.

Machi 019. Fragment, porcelain; glazed white over slightly incised lines.

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Machi 021, 022, 027, 043, 044, 046-050, 053, 056, 061, 065, 066, 070. Fragments, glazed generally white over hard, buff, gritty body; painted with floral and bird patterns in blue.

Machi 030. Fragment, glazed, inside white; outside, mottled cobalt blue over buff body.

Machi 042, 058, 068, 069. Fragments, glazed over buff. 058, inside green; outside green-buff. 068, 069. white with painted pattern in blue.

Machi 048. Fragment; glazed white; painted with floral pattern in grey-green outside; bright blue, outlined black, inside.

Machi 051, 052. Fragments, glazed white. 051, painted with sprig in green and brown. 052, painted with sprig in madder brown.

Machi 062. Fragment of bowl; glazed, mottled turquoise.

Machi 080. Fragment of rim; glazed pale green-blue; painted in cobalt and black.

Machi 086. Fragment of dish; glazed turquoise; painted, floral pattern in black silhouette.

Machi 087. Fragment; grey.

Machi 089. Fragment; glazed white; painted floral pattern in blue.

Glass.

Machi 09, 029, 038, 088. Fragments of bangles.

Machi 032-037, 082. Fragments, greenish-white.

Machi 090. Fragment of bead, deep blue with applied white scroll.

Metal.

Machi 057. Fragment of copper plate.

Stone.

Machi 016. Fragment of alabaster pot: straight-sided.

Machi 041. Fragment of steatite (?) cup.

Miscellaneous.

Machi 024. Fragment of shell-like object.

OBJECTS FROM KALĀT-I-GIRD (K. G.)

Stone implements.

K. G. 0118. Pointed oval stone, plano-convex.

K. G. 0206. Arrow-head, oval, brown.

Pottery.

K. G. 01, 08. a, 030, 040, 041, 044-046, 0121, 0122. Fragments, unglazed. 01, 08. *a*., with faintly incised lines.

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K. G. 01. a. Bowl, broken; distorted; painted with S-ornament.

K. G. 02, 05, 06, 0114, 0157, 0229, 0243. Fragments, unglazed; incised ornament consisting of annular lines, zigzags, vertical lines, meander, etc.

K. G. 04, 022, 0149, 0263, 0278. Fragments, glazed green, some with patterns in black.

K. G. 08, 073, 0125, 0129. Fragments, unglazed; painted with "fishtail" pattern formed by prolonging the sides of a square and filling in the outer angles with solid black, the open sides finished with a "fringed" end.

K. G. 09. Fragment, unglazed, painted with annular lines and groups of oblique zigzags.

K. G. 010, 058, 0132. Fragments, unglazed; painted with annular lines and curves.

K. G. 011, 0135. Fragments, unglazed; painted with pairs of annular lines and "flying birds" between them; the "flying bird" or bat is a form something like a W tipped over sideways; its repetition suggests a flight of birds.

K. G. 012, 083, 087. Fragments of bowls glazed blue and white with floral scrolls in black.

K. G. 014, 038, 068, 0136. Fragments; unglazed; painted with semi-lunes against a hatched ground, in black.

K. G. 015, 044. Fragments of bowls; unglazed. 015, painted with "triglyphs" outside and S-scroll inside. 044, with lozenge and scrabbled band through it.

K. G. 016, 017, 043, 076, 077, 0133. Fragments; unglazed; painted with annular lines.

K. G. 018, 032, 034, 051, 059, 060. Fragments; unglazed; painted with "willow-leaf" decoration; the "willow-leaf" is formed by the space between two overlapping arcs of circles; the "leaves" are placed in zigzag order.

K. G. 020, 021, 056, 070. Fragments; unglazed; grey; painted with annular lines.

K. G. 024, 0223. Fragments; unglazed; ribbed; blackened outside, red inside.

K. G. 025, 0130. Fragments; unglazed; painted with multiple-lined zigzags.

K. G. 026, 036, 049, 070, 071. Fragments; unglazed; painted with annular lines and zigzags; 049, 070, 071, show also scrabbled bands.

K. G. 028, 029. Small echinus-shaped pots; unglazed; potter's string mark on under side of foot; spiral channel inside; painted crudely round mouth.

K. G. 033. Fragment; unglazed; painted with triangle fringed on one side.

K. G. 035, 037, 052. Fragments; unglazed; painted with cross-hatched square.

K. G. 039. Fragment of bowl; unglazed; painted with annular lines and zigzags; seems to have been burnished after painting.

K. G. 047, 062, 064, 0137. Fragments; unglazed; painted with "festoons".

K. G. 054. Fragment; unglazed; painted with annular lines and zigzags.

K. G. 055. Fragment of bowl; unglazed; painted with band of hatched lozenges.

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K. G. 072. Fragment; unglazed; painted with band of hatched triangles.

K. G. 076. Fragment of spout; unglazed; plain; red.

K. G. 081, 0154. Fragments; glazed white over white slip; painted in blue.

K. G. 082, 0106, 0108, 0240. Fragments, glazed; painted in blue.

K. G. 085, 086, 0160. Fragments of dish; glazed white; painted in blue and black.

K. G. 088, 0110. Fragments; glazed white; painted in blue and black.

K. G. 098. Fragment; unglazed; painted with annular lines, "triglyphs" and "fish-tails" in "metopes".

K. G. 0100, 0143, 0145. Fragments; glazed white; painted in black and grey. 0100, Chinese character boldly drawn. 0143, zone of floral design and circles; lower zone of triglyphs. 0145, cross-hatching between annular lines.

K. G. 0102, 0103, 0107, 0245. Fragments of bowls; glazed white; painted with arabesque in brown-black and dull blue.

K. G. 0120. Bowl; unglazed; plain; red.

K. G. 0127. Fragment; unglazed; grey with buff surface; painted as K. G. 039.

K. G. 0131. Fragment; unglazed; buff; painted in quadrangular panels.

K. G. 0142. Fragment of jar; unglazed.

K. G. 0144, 0146, 0152, 0244, 0249, 0250, 0260, 0262, 0264. Fragments; glazed green or turquoise with scroll and floral patterns in black.

K. G. 0147. Fragment; glazed white outside; turquoise inside; boldly painted floral work inside with touches of cobalt.

K. G. 0148. Fragment; glazed white; painted in grey-black with washes of bright green.

K. G. 0227, 0228. Fragments; glazed white; painted with pattern in black.

K. G. 0246. Fragment of dish, glazed white inside with pattern in black, blue and green.

K. G. 0265. Fragment of dish; moulded pattern under white glaze; edge, cobalt blue.

Glass.

K. G. 096, 0159, 0163, 0166, 0199, 0201, 0203, 0232-0234. Fragments of glass vessels, knobs and beads of various shades of green, blue and russet.

K. G. 0167-0187, 0190-0196, 0198, 0289, 0300, 0307-0309. Fragments of glass bangles, some straight, some spiral; several in mixed colours with jewel-like knobs and pipings and marbling; colours: dark and light blue, yellow, red, black and white; some opaque, others translucent.

K. G. 0202. Glass bead; yellow with three red-brown rosettes with green centres.

K. G. 0303, 0305, 0306. Fragments. 0303, rich blue moulded with scroll pattern in relief. 0305, green-white marbled and veined with rich red. 0306, pale pink; from shoulder of vessel.

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Metal.

K. G. 02. a, 0208-0210, 0295, 0297, 0299. Bronze fragments. 02. *a*, bezel of ring. 0208, ring, not joined; ends flattened. 0209, disc with scalloped edge, probably bezel of 0208. 0210, moulded piece. 0295, flat piece. 0297, small bead. 0299, rod.

K. G. 0207. Iron arrow-head, leaf-shaped, with hexagonal base and tang.

K. G. 0286. Bronze plate, lozenge-shaped, with solid stem at one corner.

Stone.

K. G. 07, 0141, 0230, 0267, 0270, 0271. Fragments of alabaster vessels.

K. G. 0116, 0117. Chips.

K. G. 0204, 0205, 0235, 0276, 0279, 0296. Fragments.

K. G. 0266. Fragment of disc, drilled through centre.

K. G. 0269, 0272-0274. Fragments of worked alabaster.

Miscellaneous.

K. G. 0283, 0284, 0300. Shells.

OBJECTS FROM MOUND R. R. I, NORTH OF RĀMRŪD (Md. (R. R.) I.)

Stone implements.

Md. (R. R.) I. 043. Grey limestone, pointed oval, flat, with steep edge on one side.

Md. (R. R.) I. 044. Grey-white, rounded point.

Md. (R. R.) I. 046. Green jasper arrow-point.

Md. (R. R.) I. 047. Dark grey jasper arrow-point.

Md. (R. R.) I. 048. Finely worked arrow-point, part missing.

Md. (R. R.) I. 049-051. Flakes.

Pottery.

Md. (R. R.) I. 01. Fragment of bowl; unglazed; ribbed inside; painted with two annular lines.

Md. (R. R.) I. 02, 028. Fragments of bowls.

Md. (R. R.) I. 03, 07. Fragments; 03, with incised triangles; red. 07, with incised line outside; red.

Md. (R. R.) I. 04. Fragment; pink inside, nearly black outside.

Md. (R. R.) I. 05, 033, 040. Fragments; irregularly ribbed; green-buff.

Md. (R. R.) I. 06. Fragment; shows marks of scraper.

Md. (R. R.) I. 08-030, 031, 035. Fragments; painted with linear patterns in black of varying density; dove-grey.

Md. (R. R.) I. 09, 010, 038, 039, 041. Fragments; painted with linear patterns in black of varying density; buff.

Md. (R. R.) I. 011. Fragment; painted in black with two bands of hatched triangles; buff.

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Md. (R. R.) I. 022-025, 029. Fragments ; glazed turquoise and painted with floral forms in black.

Md. (R. R.) I. 032, 036. Fragments ; with incised linear patterns—triangles, zigzags and hatching ; dark grey.

Md. (R. R.) I. 042. Fragment ; grey.

Glass.

Md. (R. R.) I. 017, 019, 026. Fragments of bangles ; keel-shaped section ; some with raised, jewel-like spots in various colours some striped.

Md. (R. R.) I. 018, 020, 021. Fragments of glass vessels ; 018, rich cobalt blue. 020, pale green with rolled rim. 021, pale green.

Stone.

Md. (R. R.) I. 012-016. Fragments of jars ; 012, 013, alabaster. 014-016, marble (?).

OBJECTS FROM MOUND R. R. II, NORTH OF RĀMRŪD (Md. (R. R.) II.)

Stone implements.

Md. (R. R.) II. 030, 031. Flint, roughly worked. 030, borer. 031, scrapper (?).

Pottery.

Md. (R. R.) II. 01, 06, 016, 017, 019, 020. Fragments painted with "willow-leaf" pattern in black ; buff body.

Md. (R. R.) II. 02. Fragment ; painted with voluted scrolls and annular lines ; pink-buff body.

Md. (R. R.) II. 03, 08, 023. Fragments ; painted with annular bands, squares and triangles ; buff body.

Md. (R. R.) II. 04. Fragment ; painted in brown-black with band of lozenges filled with cross-hatching ; pink-buff body.

Md. (R. R.) II. 07, 018. Fragments ; painted ; 07, in brown ; 018, in black with leaves and zigzag lines.

Md. (R. R.) II. 09, 010. Fragments ; painted with annular lines and "triglyphs" ; red.

Md. (R. R.) II. 011. Fragment ; burnished ; two incised lines ; red.

Md. (R. R.) II. 012, 041. Fragments ; painted with semicircles and hatched back-ground, green-buff.

Md. (R. R.) II. 013. Fragment ; painted with annular lines and hatched semicircles ; green-buff.

Md. (R. R.) II. 014, 022. Fragments ; painted with annular lines and hatched tri-angles ; buff.

Md. (R. R.) II. 015. Fragment ; painted with modified "willow-leaf" ; buff.

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Md. (R. R.) II. 021. Fragment; painted with annular lines, vertical zigzags and cross-hatched lozenges; dark grey.

Md. (R. R.) II. 024, 042. Fragments; painted with annular lines and zigzags between; buff.

Md. (R. R.) II. 025. Fragment; unpainted; dark grey; very hard.

Md. (R. R.) II. 026. Fragment; unpainted; faintly ribbed; purple-brown.

Md. (R. R.) II. 027. Fragment of jar; pear-shaped; distorted; solid tapering foot; buff.

Md. (R. R.) II. 036. Fragment of jar; foot missing; buff.

Md. (R. R.) II. 037. Fragment of jar; nearly straight sides; pale terra-cotta.

Md. (R. R.) II. 038. Fragment; faintly ribbed; painted with annular lines and hatched lozenges; grey.

Md. (R. R.) II. 039. Fragment; painted with annular lines and band of repeating S-shapes; grey-buff.

Md. (R. R.) II. 040. Fragment; painted with annular lines and curved "feathered" lines and hatching; buff.

Metal.

Md. (R. R.) II. 029. Bronze rod in five pieces, tapering at both ends.

Md. (R. R.) II. 034, 035. Bronze fragments.

Stone.

Md. (R. R.) II. 028. Fragment of jar; flat base; sides sloping inwards as they rise; white and cream stratified with grey.

Md. (R. R.) II. 032. Bead; barrel-shaped; rib round centre and row of ring-and-dot on each side of rib; steatite.

Md. (R. R.) II. 033. Fragment of jar; overlapping outer edge of lip; alabaster.

Miscellaneous.

Md. (R. R.) II. 043. Piece of slag; grey.

OBJECTS FROM MOUND R. R. III, NORTH OF RĀMRŪD (R. R. III, MD. (R. R.) III.)

Stone implements.

R. R. III. Md. III. 06. Broken blade with battered back; green jasper.

R. R. III. 021-024, 026-030. Fragments. 021, conical point; white. 022, half whorl; white. 023, 024, 026-030, scrapers.

Pottery.

R. R. III. 01. Fragment of bowl; painted with annular lines and cross-hatched lozenges; buff body.

R. R. III. 02. Fragment; painted with annular lines and hatching; buff body.

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R. R. III. 03. Fragment; painted with annular lines and chequers; buff body.

R. R. III. 04. Fragment; painted with angular forms, cross-hatched; olive-buff body.

R. R. III. 05. Fragment; painted with annular lines and "willow-leaf" between; buff body.

R. R. III. 06. Fragment; painted with annular lines, triangles and segmental curves with cross-hatching between; pale terra-cotta body.

R. R. III. 07. Fragment; painted with annular lines and hatched triangles between; red-buff body.

R. R. III. 08. Fragment; painted with annular lines and zigzag between, below, rectangles with scalloped edges; green-buff body.

R. R. III. 09. Fragment of jar; ribbed inside; painted with annular lines and lozenges; terra-cotta body.

R. R. III. 010. Fragment; painted with annular lines and upper part of ibex; fine terra-cotta well smoothed.

R. R. III. 011. Fragment; painted with scallops.

R. R. III. 012. Fragment of bowl; incised with annular lines and circles; small moulded foot.

R. R. III. 013. Fragments of jar (now joined); echinus-shaped; painted with annular lines and zigzags; buff body.

R. R. III. 014, 019. Fragments; terra-cotta body with richer red wiped over surface.

R. R. III. 016. Small jar; quasi echinus-shaped; pink-buff body.

R. R. III. 017. Fragment; painted with annular lines and vertical zigzags; buff.

R. R. III. 018. Fragment; painted with annular lines and band of triangles; slate-grey body of porcelain quality.

R. R. III. 020. Fragment; painted with annular lines, circular segments and hatched background; pink-buff body.

Md. (R. R.) III. 01. Jar of tubular shape slightly narrowing upwards; painted with annular and vertical lines and curved lines in each panel; buff body.

Md. (R. R.) III. 02. Fragment; painted with annular lines, zigzag and "willow-leaf" pattern; grey-buff body.

Md. (R. R.) III. 03. Fragment; painted with annular lines, part of solid black panel and semicircles with hatched ground; grey to buff body.

Md. (R. R.) III. 04. Fragment, echinus-shape; painted with annular lines, triangles and broad leaf pattern; grey with buff surface.

Md. (R. R.) III. 05. Fragment; painted with annular lines and band of triangles dark grey body with buff outer surface.

Md. (R. R.) III. 06. Fragment of jar; painted with annular lines and pattern of semicircles with hatched ground; dark grey body, buff outer surface.

Md. (R. R.) III. 07. Fragment; painted with annular lines and band of double zigzag; buff body.

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Metal.

R. R. III. Md. III. 01. Fragment of bronze rod.

Stone.

R. R. III. 015. Fragment of vessel, carved with reed-mouldings and wavy bands; slate-grey.

OBJECTS FROM BETWEEN R. R. III AND TĀSUKI WELL (R. R.)

Stone implements.

R. R. 010. Square slab with round hollow near one edge.

R. R. 033-040a. 033, arrow-head, pointed oval; jasper. 034, 036, 037, 039, scrapers. 035, blade; jasper. 038, point; quartz. 040 flake, flint. 040. *a*, chalcedony.

Pottery.

R. R. 01. Fragment; incised vertical band of lattice; terra-cotta.

R. R. 02-05. Fragments of bowls; glazed white over white body; painted with patterns in blue.

R. R. 06, 012. Fragments of bowl; glazed inside grey-green; pale buff body.

R. R. 07-09. Fragments; glazed white over white body; painted with floral patterns in brown-black.

R. R. 011. Fragment; glazed outside blue over grey-white body.

R. R. 041, 042. Fragments; painted with linear patterns.

R. R. 044. Fragment; incised line of "milling."

R. R. 045. Fragment of jar; pear-shaped; buff body.

R. R. 046-054, 058. Fragments; painted with linear patterns—annular lines, zigzags cross-hatching, etc.; buff.

R. R. 055. Fragment; plain; red, buff outside.

R. R. 056, 057, 059. Fragments of bowls; painted with annular lines, "fringed" lines and (059) lozenges.

R. R. 060, 061. Fragments; painted with linear patterns; grey body.

R. R. 064. Fragment of bowl with ring foot; burnt black.

R. R. 068. Fragment; painted with two oblique "fringed" lines; grey; thin.

Glass.

R. R. 014-020, 024. Glass beads and fragments; 014, 015, 017, spherical; amber colour. 014, 017, broken; amber colour. 016, 018, halves, ellipsoidal, amber colour. 019, barrel-shaped, half; green. 020, 024, chips; cobalt blue.

R. R. 021, 022. Glass beads; 021, spherical; turquoise colour. 022, ring-shaped, half; mottled cobalt.

R. R. 025-032. Fragments of bangles. 025, two strata, green-white and cobalt blue; opaque white zigzag lines on the blue. 026-030, 032, opaque grey to black; traces of

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raised red and white. 031. translucent dark yellow with thin cable of opaque white and red-brown.

Metal.

R. R. 015. Fragment of bronze sheet.

R. R. 062. Lump of copper.

Stone.

R. R. 066. Fragment of rim of jar; alabaster.

OBJECTS FROM WATCH STATION R. R. V. (R. R. V.)

Stone implements.

R. R. V. 09. Arrow-head; jasper; black; leaf-shaped.

R. R. V. 010. Arrow-head; chert.

Pottery.

R. R. V. 01, 05, 014. Fragments; burnished; rich red slip.

R. R. V. 02, 04, 07. Fragments; coarse; red.

R. R. V. 03. Fragment; glazed pale green.

Glass.

R. R. V. 08, 011-013, 015. Fragments; 015, tubular bead; turquoise colour.

Stone.

R. R. V. 06. Fragment of bowl; alabaster.

OBJECTS FROM MOUNDS R. R. VI, VII. (R. R. VI, VII.)

Stone implements.

R. R. VI. 01, 013-017. Arrow-heads; 01, 013, jasper. 014, 015, black chert. 016, chalcedony. 017. yellowish chert.

R. R. VI. 018. Chip.

R. R. VII. 025, 026. Arrow-heads. 025, brown jasper. 026, black chert.

Pottery.

R. R. VI. 02. Fragment of echinus-shaped bowl; painted with plain and scalloped bands.

R. R. VI. 03, 04, 07. Fragments; red inside, dark grey outside.

R. R. VII. 01. Fragments with incised annular lines and panel of zigzags; dark grey.

R. R. VII. 02-05. Fragments: with incised annular lines, "triglyphs" and zigzags; hard; grey.

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R. R. VII. 06, 07, 011, 012, 014, 016, 020. Fragments; plain; 06, 07, grey. 011, dark brown. 012, red. 014, red, slightly burnished. 016, red slip over buff body. 020, red.

R. R. VII. 08, 09, 013. Fragments. 08, painted with annular lines. 09, with raised rib painted black. 013, plain; buff.

Stone.

R. R. VI. 08. Fragment of bowl; alabaster.

R. R. VI. 09-012. Fragments of vessels; marble (?).

R. R. VII. 017. Water-worn stone.

R. R. VII. 018, 021, 022. Fragments of vessels; alabaster.

Miscellaneous.

R. R. VI. 020, 021. Slag.

OBJECTS FROM MOUNDS R. R. VIII, IX, XI. (R. R. VIII, IX, XI.)

Stone implements.

R. R. VIII. 03, 04, 07. Flint chips.

R. R. IX. 05. Arrow-head; jasper.

R. R. IX. 010-021. Flint chips.

R. R. XI. 015. Point; chert.

R. R. XI. 016. Arrow-head; chalcedony.

Pottery.

R. R. VIII. 010, 016. Fragments; painted with annular lines and, inside, a pair of festooned lines with oblique hatching; thin, grey.

R. R. VIII. 011. Fragment; painted with linear ornament.

R. R. VIII. 012, 014, 019, 021, 023-025, 028. Fragments; painted with linear ornament including annular lines, zigzags and "scrabbles"; buff.

R. R. IX. 01. Fragment; painted with double zigzags and cross-hatched kite-shape; buff body.

R. R. IX. 02. Fragment; painted with band of hatched squares and long, hatched leaf-shapes; grey body.

R. R. IX. 03. Fragment; painted with narrow, hatched, leaf-pattern; buff body.

R. R. IX. 09. Fragment; with traces of painted ornament; buff body.

R. R. XI. 03-08. Fragments; painted with hatched leaf forms; grey body.

R. R. XI. 010. Fragment of bowl; painted inside with triangles and "scrabbles"; buff body.

Metal.

R. R. IX. 022. Bronze fragment; section like that of two-edged blade.

R. R. IX. 026. Bronze rod; tapering gradually towards one end and rapidly towards the other.

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R. R. XI. 012, 013. Bronze wire loops.

R. R. XI. 014. Bronze seal in cameo; square face; device: quatrefoil and circles; loop at back for cord.

Stone.

R. R. VIII. 02, 017, 018. Fragments of vessels; alabaster.

R. R. XI. 01, 02. Fragments of jars; cylindrical; alabaster.

OBJECTS FROM WATCH STATION R. R. XII. (R. R. XII.)

Stone implements.

R. R. XII. 04-09. Flint chips.

Metal.

R. R. XII. 037. Iron knife-blade, gracefully curved, point turning towards back; thin tang.

Stone.

R. R. XII. 01, 03, 010. Fragments of vessels. 01, 010, alabaster. 03, white, with wavy grey strata.

R. R. XII. 02. Fragment of jar; cylindrical, spreading towards flat base and at mouth; alabaster.

OBJECTS FROM WATCH STATION R. R. XIII. (R. R. XIII.)

Pottery.

R. R. XIII. 018. Fragment; painted with group of three vertical zigzag lines.

Stone.

R. R. XIII. 01. Bead; flat, oval; limestone.

R. R. XIII. 02. Cup; flattened globular; green-grey.

OBJECTS FROM MOUND R. R. XV. (R. R. XV.)

Stone implements.

R. R. XV. 01-05, 07-09, 011, 012, 014, 015, 017-021, 026, 028. 01, ribbed blade; jasper. 02, point of arrow-head; brown jasper. 03, arrow-head; green jasper. 05 part of blade; quartz. 07, 011, 012, 015, 018, jasper chips. 08, arrow-head; chert. 09, 014, 026, arrow-heads; jasper. 017, point; quartzite. 019, chalcedony chip. 020, arrow-head; quartz. 021, arrow-head; milky quartz. 028, arrow-head; chalcedony.

Pottery.

R. R. XV. 023. Fragment; flake; red.

R. R. XV. 024, 025. Fragments; glazed white; painted with Chinese pattern in blue; 024, red body; 025, white body.

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OBJECTS FROM WATCH STATIONS R. R. XVII, XVIII, XIX. (R. R. XVII, XVIII, XIX.)

Stone implements.

R. R. XVII. 030. Point; chert.

R. R. XVII. 032, 035. Fragments; 032, quartz. 035, flint.

Pottery.

R. R. XVII. 01. Fragment of jar, in two pieces; painted with annular lines and fringed curves; buff body.

R. R. XVII. 02-04, 07, 08. Fragments; painted with linear designs including "scrabbled" lines, lozenges, zigzags, triangles and cross-hatching. 08, fine quality; buff body.

R. R. XVII. 05. Fragment from mouth of vessel; painted with zone of oblique loops attached alternately to upper and lower annular lines; buff body.

R. R. XVII. 010. Fragment of bowl; grey; fine texture.

R. R. XVII. 016, 020-025, 027. Fragments; unpainted; coarse, gritty body.

R. R. XVII. 026. Fragment; glazed green over grey body.

R. R. XVIII. 02, 03, 05. Fragments; unpainted; 05, dark brown, buff slip outside; combing.

R. R. XVIII. 04. Fragment of bowl; painted inside with lozenge and "scrabbled" line; buff body.

R. R. XIX. 01, 02. Fragments; faintly ribbed inside; outside, slip with groups of combed lines.

Glass.

R. R. XVII. 036. Bead; barrel; blue.

R. R. XVII. 037. Bead; square; pale grey.

Metal.

R. R. XVII. 017-019. Bronze fragments.

R. R. XVII. 031. Bronze rod; notch at one end, perhaps half eye, as of needle.

R. R. XVIII. 01. Bronze arrow-head; broken; triangular.

Stone.

R. R. XVII. 011-014, 034. Fragments from bowls and jars; alabaster; 034, miniature conical cup.

OBJECTS FROM SHAHR-I-SŌKHTA (S. S.)

Pottery.

S. S. 01, 05, 06. Fragments; painted with linear designs including zigzags, squares and hatchings. 05, has a vertical undulating line evidently meant for a snake.

S. S. 02-053. Fragments of bulbous vessel; painted with linear patterns in black, including annular lines, zigzags and semicircles against hatched ground.

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S. S. 03. Fragment of bowl; painted with zigzags, triangle and rosette; marks of smoothing tool on outside; dark grey of porcelain texture.

S. S. 04. Fragment; painted with vertical lines and bold scrolls with short spines; buff body.

S. S. 07, 026, 032, 033, 063, 070-072, 0111. Fragments with linear patterns in black.

S. S. 08. Fragment of bowl; painted with annular lines and zigzags; buff body.

S. S. 09, 014, 048, 054. Fragments; painted with linear patterns.

S. S. 015. Fragment of bowl; painted inside with lines and bands; scraper marks on outside.

S. S. 016, 019, 021, 025-030, 047, 049, 061, 062, 066, 075, 085, 0117, 0118, 0120. Fragments; painted with linear patterns in brown-black; buff body.

S. S. 020, 037, 095. Fragments of bowls; showing paring and scraper marks; red body.

S. S. 024. Fragment; painted with annular lines and semicircles with cross-hatched triangles.

S. S. 031, 034, 7 3, 084, 090, 099, 0106, 0109. Fragments; mostly painted with linear patterns in black; fine texture grey, thin body.

S. S. 050. Fragment; painted with band of vertical zigzags; buff body.

S. S. 051. Fragment; painted with lines and zigzags; outside, scroll; buff body.

S. S. 058, 059, 063, 070, 0112. Fragments; 058, with curved incisions; 0112, coated with sludge curiously pushed into irregular ripples giving a "rusticated" surface in zones.

S. S. 074. Fragment; coated with sludgy buff wash and painted outside with annular lines, scallop-sided cross-hatched triangle; inside, annular lines and hatched triangles; finely levigated, grey body.

S. S. 081, 090, 099, 0100+0106, 0101, 0102+0103, 0105, 0107—0110. Fragments; painted with annular lines and bands, flying birds or "bats" and linear patterns in black of varying density; hard, porcelain-like texture, grey.

S. S. 0119. Fragment of jar; painted outside with parallel zigzags and hatching; grey, red surface, thin, fine texture.

S. S. 0121. Fragment of jar, pear-shaped, solid stem-foot; buff body.

Metal.

S. S. 055. Fragment of bronze sheet.

S. S. 091. Bronze peg, square section, tapering.

Stone.

S. S. 089. Fragment of lignite seal, rectangular; device: fret, deeply cut.

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Sketch Map of

CHINESE TURKESTAN

and adjacent parts of Central Asia & Kansu
showing the principal routes followed by —

SIR AUREL STEIN, K.C.I.E.

during his expeditions of 1900-1, 1906-8 & 1913-16

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